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May 8, 2020

Mr. Bradford Billings
New Mexico Oil Conservation Division
1220 South St. Francis Drive, #3
Santa Fe, New Mexico 87505

RE: Remediation Work Plan
XTO Energy, Inc.
Avalon Delaware Unit 816
Remediation Permit Number 2RP-2674
Eddy County, New Mexico

Dear Mr. Billings:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Remediation Work Plan detailing remediation activities completed to date and proposed remedial actions to address residual impacts at the Avalon Delaware Unit 816 (Site) resulting from a historical release of produced water and crude oil at the Site. The Site is located in Unit 5, Section 4, Township 21 South, Range 27 East, in Eddy County, New Mexico (Figure 1). This Remediation Work Plan summarizes completed investigation activities and proposes additional delineation of identified impacts.

The release is included in the Compliance Agreement for Remediation for Historical Releases (Compliance Agreement) between XTO and the New Mexico Oil Conservation Division (NMOCD) effective November 13, 2018. The purpose of the Compliance Agreement is to ensure reportable releases that occurred prior to August 14, 2018, where XTO is responsible for the corrective action, comply with Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC) as amended on August 14, 2018. The release is categorized as a Tier IV site in the Compliance Agreement, meaning the release occurred prior to August 14, 2018, the effective date of 19.15.29 NMAC; however, remediation was ongoing.

RELEASE BACKGROUND

On September 27, 2014, corrosion of a flow line caused the release of approximately 60 barrels (bbls) of produced water and 5 barrels bbls of crude oil. The pasture area north of the Yates C Federal #019 well pad was affected by the release. XTO reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 on October 1, 2014 and was assigned Remediation Permit (RP) Number 2RP-2674 (Attachment 1). The release location referenced on initial C-141 (Section 5, Township 21 South, Range 27 East) is the location of the ADU 816 well not the location of the flow line release. The final C-141 and attached figures reference the release location in Unit 5, Section 4, Township 21 South, Range 27 East.

SITE CHARACTERIZATION

LTE characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be approximately less than 50 feet below ground surface (bgs) based on the nearest groundwater well data and subsurface investigation results. The nearest permitted groundwater well with depth to water data is NMOSE water well CP 00746, located approximately 2,585 feet north of the Site. The groundwater well has a depth to groundwater of approximately 29 feet bgs and a total depth of approximately 70 feet bgs. Groundwater monitoring wells installed at the Site indicate depth to groundwater is approximately 38 feet bgs. The closest continuously flowing water or significant watercourse to the Site is an alkali lake located approximately 3,000 feet southeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is located in a high potential karst area.

CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

HISTORICAL REMEDIATION ACTIVITIES

During November 2014, Environmental Plus, Inc. (EPI), an environmental consulting firm that is no longer in operation, conducted initial assessment and excavation activities at the Site. Impacted soil was excavated from the release area to an approximate depth of 4 feet bgs. Approximately 960 tons of impacted soil were removed from the excavation. Site assessment activities indicated chloride impacted soil remained in-place at a depth of 32 feet bgs. EPI submitted a Remediation Progress Report and Closure Proposal to NMOCD on March 31, 2015. EPI proposed continued excavation laterally until sidewall samples were below Remediation Action Levels and installation of a 20-mil liner in the base of the excavation at approximately 4 feet bgs. NMOCD did not approve EPI's closure proposal and required full delineation of chloride impacted soil. EPI's historical documentation including the Remediation Progress Report and Closure Proposal, release extent and soil sample location figures, site photos, NMOCD correspondence, and soil sample laboratory analytical results is provided in Attachment 2.

SITE ASSESSMENT AND DELINEATION ACTIVITIES

Based on NMOCD requirements to fully delineate chloride impacted soil at the Site, LTE conducted additional assessment activities between February and April 2020. The historical excavation remained open. The excavation measured approximately 6,500 square feet in area and was completed to a depth of 2 feet to 4 feet bgs. LTE oversaw the advancement of nineteen soil borings (BH01 through BH18) via sonic drilling rig to assess the lateral and vertical extent of impacted soil. Boreholes BH02, BH04, and BH05 were advanced within the open excavation from the prior remediation activities. Boreholes BH01 through BH19 were completed to depths ranging from 33 feet to 45 feet bgs. Groundwater was encountered in the soil borings at an approximate depth of 35 feet to 39 feet bgs. Delineation soil samples were collected from each borehole from depths ranging from 0.5 feet to 38 feet bgs. The deepest soil sample was collected from the interval directly above the water table. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Attachment 3. The borehole and delineation soil sample locations are depicted on Figure 2.

Seven soil borings (BH02, BH08, BH13, and BH15 through BH18) were completed as monitoring wells (MW01 through MW07), to evaluate potential impacts to groundwater and determine groundwater flow direction at the Site. Groundwater monitoring wells were constructed in the boreholes by installing a screened casing across the groundwater interface and solid casing to the surface. The monitoring wells were constructed with 2-inch inside diameter (ID) Schedule 40 polyvinyl chloride (PVC) casing and 0.010-inch slotted screen. A 10-20 size silica sand pack was used to fill the annular space from the bottom of the screen to approximately 2 feet above the top of screen. The sand pack was overlain by hydrated bentonite chips to the ground surface. The monitoring wells were completed aboveground with a locking, steel monument cemented into the ground. Once installed, LTE surveyed the top-of-casing elevations so that groundwater flow direction could be determined. Depth to water measurements were collected utilizing an oil-water interface probe. After allowing to set for at least 24 hours, the wells were developed by purging a minimum of 10-casing volumes. At least 24 hours after well development, LTE collected groundwater samples from the monitoring wells. Sampling was conducted through the use of disposable bailers. The monitoring well locations are depicted on Figure 3. The depth to water measurements and groundwater elevation calculations are provided in Table 1. Groundwater elevation contour maps are provided as Figure 4 and Figure 5. Photographic documentation was conducted during the Site visits. Photographs are included in Attachment 4.

The delineation soil samples were submitted to Xenco Laboratories (Xenco) in Carlsbad, New Mexico, for analysis of BTEX by United States Environmental Protection Agency (EPA) Method 8021B, TPH-gasoline range organics (GRO), TPH-diesel range organics (DRO), and TPH-oil range organics (ORO) by EPA Method 8015M/D, and chloride by EPA Method 300.0. The groundwater

samples were submitted to Xenco for analysis of chloride by EPA Method 300.0 and total dissolved solids (TDS) by Standard Method (SM) 2540C.

ANALYTICAL RESULTS AND DATA INTERPRETATION

Based on the release point location and calculated groundwater flow direction to the west-northwest, sample points BH10, BH18/MW03, and BH19 are considered background sample points and chloride concentrations in the soil and groundwater samples are representative of naturally occurring chloride concentrations at the Site.

Laboratory analytical results for the background soil samples collected from boreholes BH10, BH18, and BH19 indicated naturally occurring chloride concentrations ranging from 15.7 mg/kg to 860 mg/kg at depths ranging from 0.5 feet to 37 feet bgs. Laboratory analytical results for the background groundwater sample collected from monitoring well MW03 indicated a naturally occurring chloride concentration of 1,010 mg/L and a naturally occurring TDS concentration of 5,700 mg/L.

Laboratory analytical results for the delineation soil samples collected from boreholes BH01 through BH19 indicated that BTEX, GRO/DRO, and TPH were below laboratory detection limits. Chloride concentrations in the boreholes BH01 through BH09 and BH11 through BH17 ranged from below laboratory detection limits to 8,310 mg/kg. Vertical intervals with elevated chloride concentrations were highly variable across the boreholes, which is indicative of preferential pathways through soil with greater permeability/porosity. Chloride concentrations were vertically delineated to below 600 mg/kg above the water table in boreholes BH02, BH03, BH05 through BH10, BH13 through BH16, BH18, and BH19. Chloride concentrations in the soil sample collected from the interval directly above the water table exceeded 600 mg/kg in boreholes BH01, BH04, BH11, BH12, and BH17 at concentrations ranging from 612 mg/kg to 6,160 mg/kg, which indicates that chloride impacted soil extended vertically to groundwater.

Laboratory analytical results for the groundwater samples collected from monitoring wells MW01, MW02, MW04 through MW07 indicated chloride concentrations ranging from 1,880 mg/L to 6,430 mg/L and TDS concentrations ranging from 6,290 mg/L to 20,300 mg/L. The chloride and TDS concentrations in monitoring wells MW01, MW02, and MW04 through MW07 exceeded the background concentrations established in upgradient monitoring well MW03.

The soil sample laboratory analytical results are summarized in Table 2. The groundwater sample laboratory analytical results are summarized in Table 3. The complete laboratory analytical reports are included as Attachment 5.

PROPOSED REMEDIATION WORK PLAN

Based on the February through April 2020 site assessment activities described above, the extent of soil impact is much more extensive than anticipated and may include more than one historical

source. Additional remediation activities are warranted, but appropriate remediation cannot be designed until full delineation is determined. LTE proposes additional delineation of soil and groundwater impacts, as described below:

- Point of compliance (POC) has been achieved northeast of the release point by borehole BH10, east of the release point by borehole BH18, and south of the release point by BH19. Additional boreholes will be installed via sonic drilling rig until the full extent of chloride impacted soil has been delineated and POC has been achieved to the north, west, and southwest of the release point. Soil from the boreholes will be field screened for chloride using chloride QuanTab® test strips. Field screening results and observations for the boreholes will logged on lithologic/soil sampling logs. Soil samples will be collected at 5-foot intervals from each borehole and submitted for laboratory analysis of chloride by EPA Method 300.0. The final vertical soil sample in each borehole will be collected from the interval directly above the water table.
- Groundwater monitoring wells will be completed in the final POC soil borings. Monitoring well completions will be conducted as described above. Proposed soil boring/monitoring well locations are depicted on the attached Figure 6.
- Two 4-inch wells will be installed near the known source area to potentially serve as future remediation wells.
- All new and existing monitoring wells will be sampled on a quarterly basis following the completion of final delineation activities. The groundwater samples will be analyzed for chloride and TDS by EPA Method 300.0 and SM 2540C, respectively. Analytical results will be monitored to ensure that chloride and TDS concentrations in groundwater are stable and not migrating beyond the POC wells.
- Once soil and groundwater impacts have been fully delineated and the full extent of the soil and groundwater plumes are known, additional remediation and/or groundwater abatement activities will be proposed.

LTE and XTO believe that full delineation of soil and groundwater impacts and quarterly groundwater monitoring are initial remediation activities that are protective of human health and the environment. The nearest water well is located 2,585 feet north and upgradient of the Site, alkali lakes are present to the southeast and southwest of the Site, indicating natural salinity in the area, and land use in the area is primarily oil and gas activities. The delineation activities, monitoring well installation, and soil excavation activities described above would be completed within 90 days of the date of approval of this work plan by NMOCD.

Upon completion of the above activities, a follow-up remediation work plan will be submitted to NMOCD to summarize the final investigation activities, provide soil and groundwater analytical results, and propose subsequent remediation. The follow-up remediation workplan will be submitted to the NMOCD within 60 days of completion of final delineation activities.

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

Sincerely,

LT ENVIRONMENTAL, INC.

Aimee Cole
Project Environmental Scientist

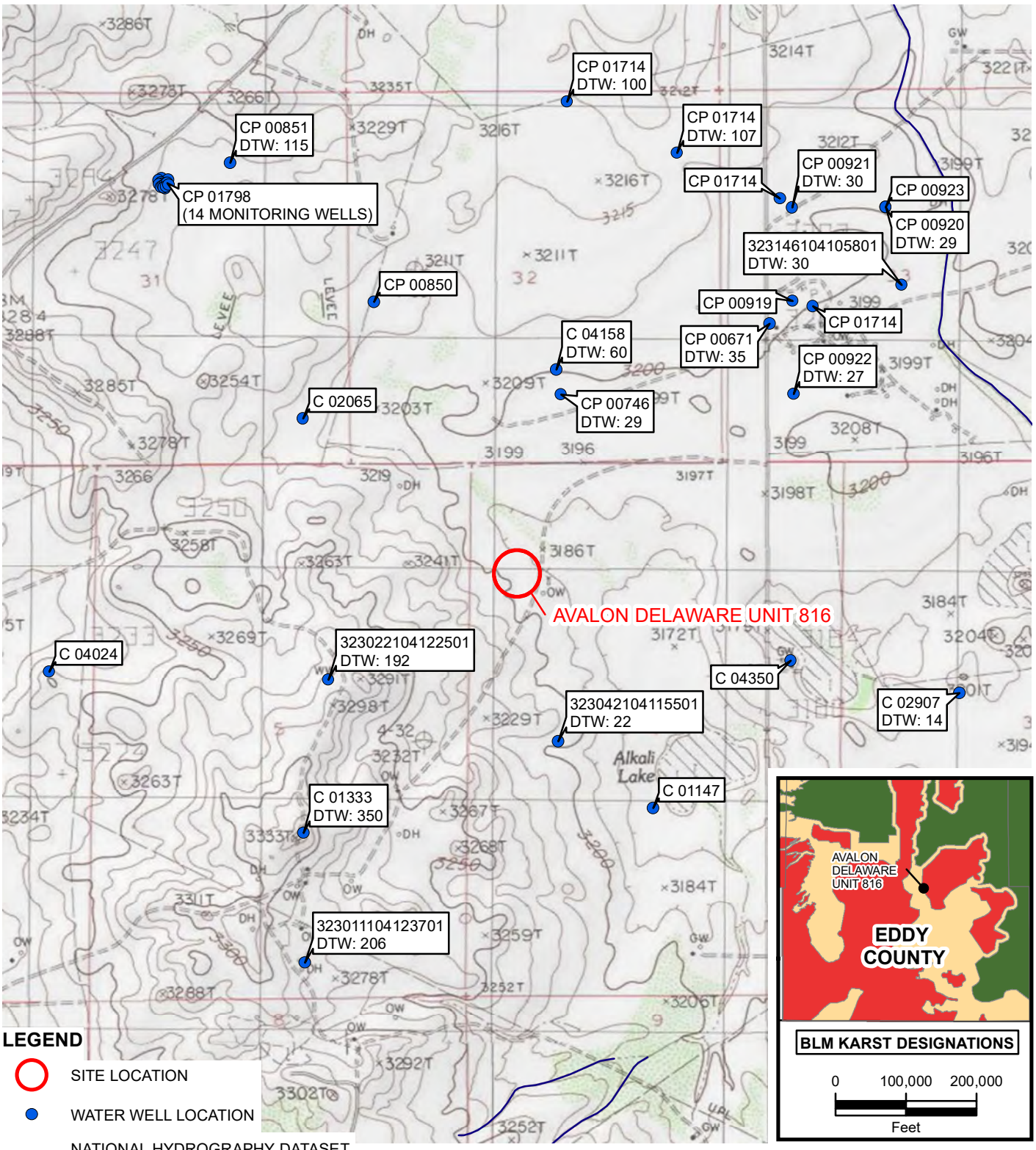
Ashley L. Ager, P.G.
Senior Geologist

cc: Kyle Littrell, XTO
Mike Bratcher, NMOCD
Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Groundwater Monitoring Well Locations
Figure 4	Groundwater Elevation Map (4-2-2020)
Figure 5	Groundwater Elevation Map (4-14-2020)
Figure 6	Proposed Soil Boring/Monitoring Well Locations
Table 1	Depth to Groundwater and Groundwater Elevation Data
Table 2	Soil Analytical Results
Table 3	Groundwater Analytical Results
Attachment 1	Initial/Final NMOCD Form C-141 (2RP-2674)
Attachment 2	Historical Documentation
Attachment 3	Lithologic / Soil Sample Logs
Attachment 4	Photographic Log
Attachment 5	Laboratory Analytical Reports

FIGURES



NOTE: REMEDIATION PERMIT NUMBER 2RP-2674
DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
AVALON DELAWARE UNIT 816
UNIT 5 SEC 4 T21S R27E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

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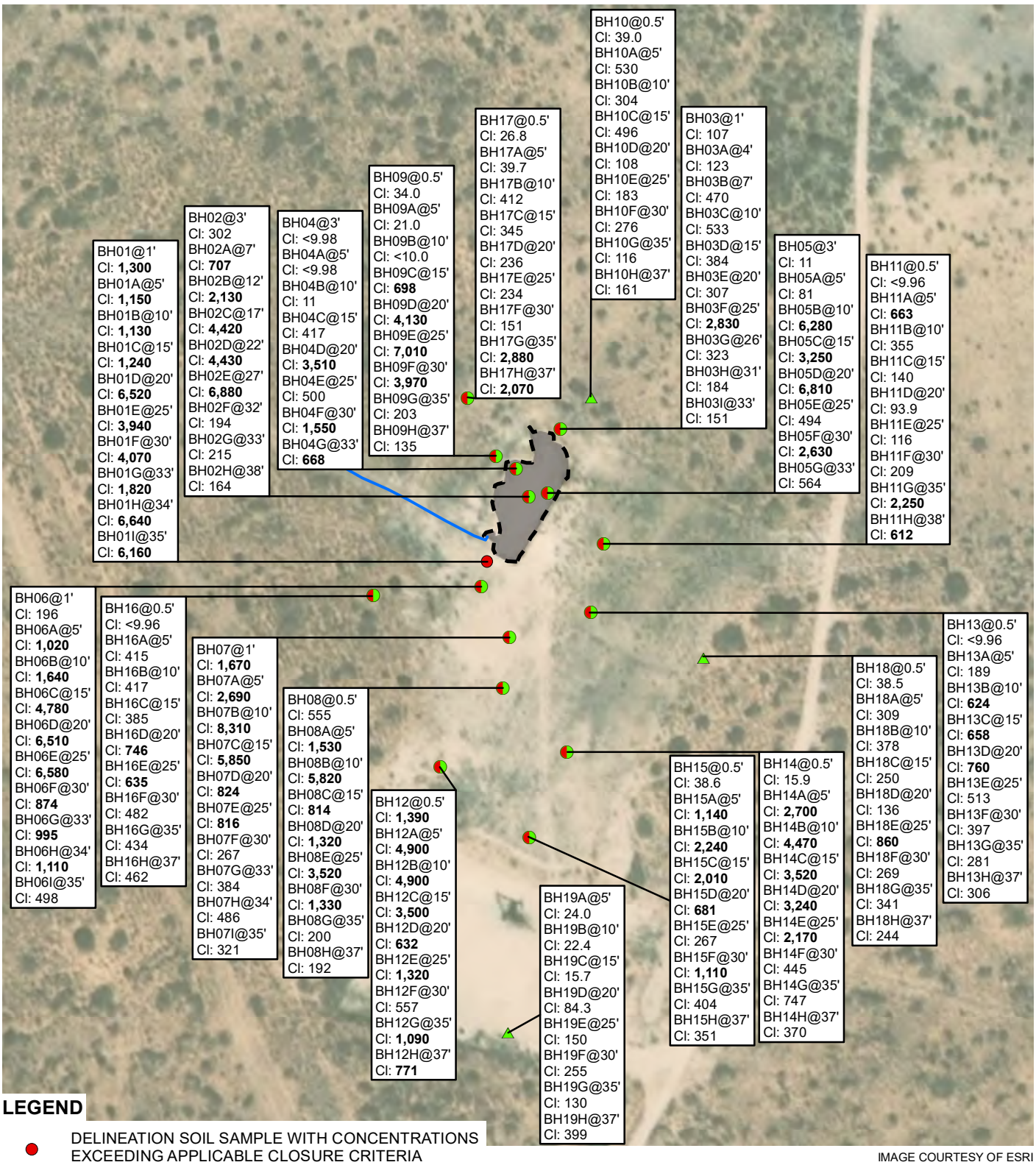

LEGEND

- DELINEATION SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- DELINEATION SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING AT INITIAL DEPTHS AND HAS BEEN EXCAVATED
- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- BACKGROUND SOIL SAMPLE
- WATER LINE
- EXCAVATION EXTENT

NOTE: REMEDIATION PERMIT NUMBER 2RP-2674

IMAGE COURTESY OF ESRI

0 150 300

Feet

N

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
AVALON DELAWARE UNIT 816
UNIT 5 SEC 4 T21S R27E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

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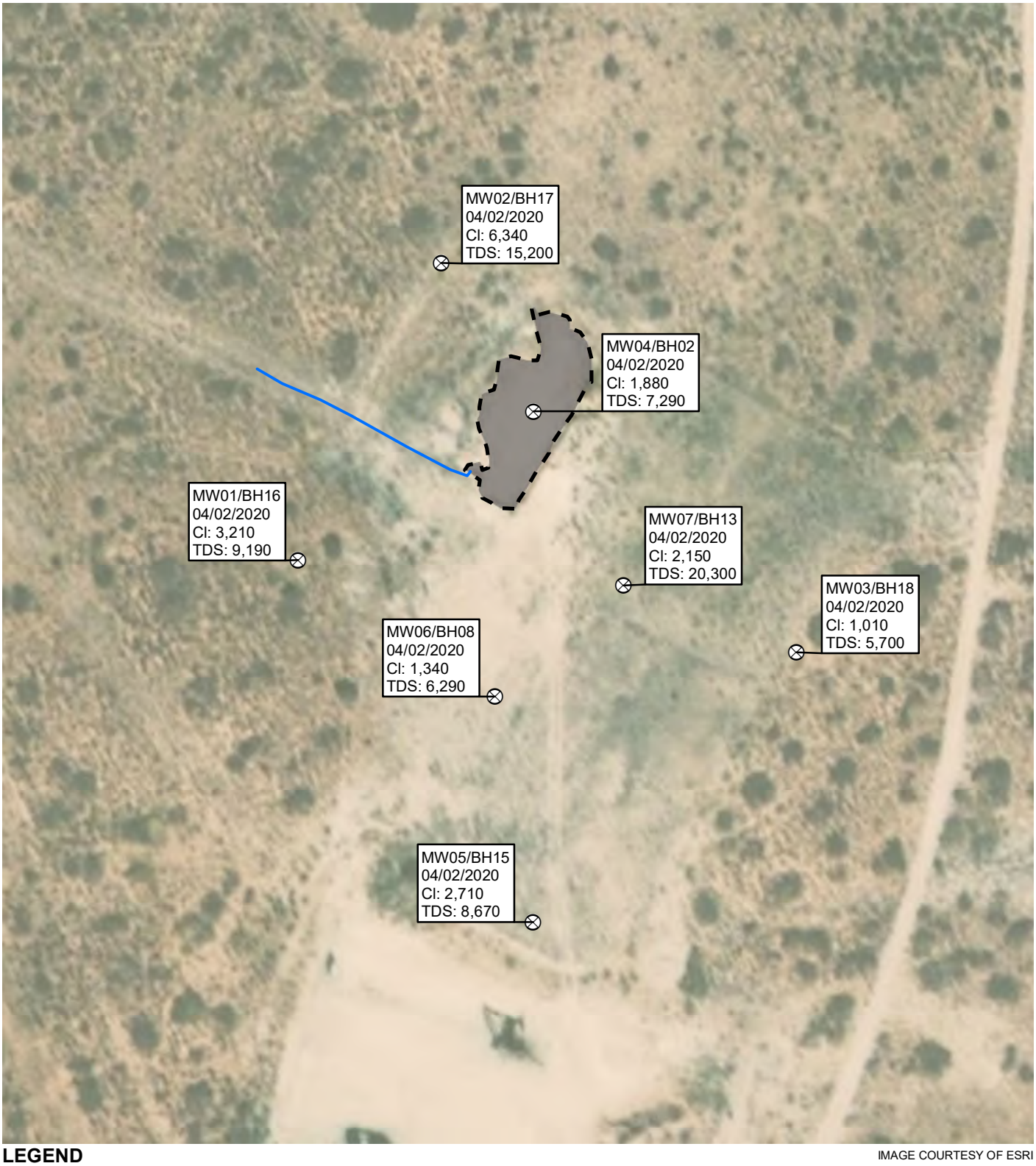

LEGEND

IMAGE COURTESY OF ESRI

⊗ MONITORING WELL

WATER LINE

EXCAVATION EXTENT

0 100 200

Feet

N

Cl: CHLORIDE
TDS: TOTAL DISSOLVED SOLIDS
NE: NOT ESTABLISHED
NMWQCC: NEW MEXICO WATER QUALITY CONTROL COMMISSION STANDARD
NOTE: REMEDIATION PERMIT NUMBER 2RP-2674

FIGURE 3
GROUNDWATER ANALYTICAL RESULTS
AVALON DELAWARE UNIT 816
UNIT 5 SEC 4 T21S R27E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

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LEGEND

⊗ MONITORING WELL

CALCULATED GROUNDWATER FLOW DIRECTION

RELATIVE GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVAL = 0.20 FEET

GROUNDWATER ELEVATIONS WERE MEASURED ON APRIL 2, 2020

NOTE: REMEDIATION PERMIT NUMBER 2RP-2674

IMAGE COURTESY OF ESRI

0 100 200

Feet

N

FIGURE 4
GROUNDWATER ELEVATION
AVALON DELAWARE UNIT 816
UNIT 5 SEC 5 T21S R27E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

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LEGEND

⊗ MONITORING WELL

CALCULATED GROUNDWATER FLOW DIRECTION

GROUNDWATER ELEVATION CONTOUR

CONTOUR INTERVAL = 10 FEET

GROUNDWATER ELEVATIONS WERE MEASURED ON APRIL 14, 2020

NOTE: REMEDIATION PERMIT NUMBER 2RP-2674

IMAGE COURTESY OF ESRI

0 100 200

Feet

N

FIGURE 5 5
GROUNDWATER ELEVATION
AVALON DELAWARE UNIT 816
UNIT 5 SEC 4 T21S R27E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

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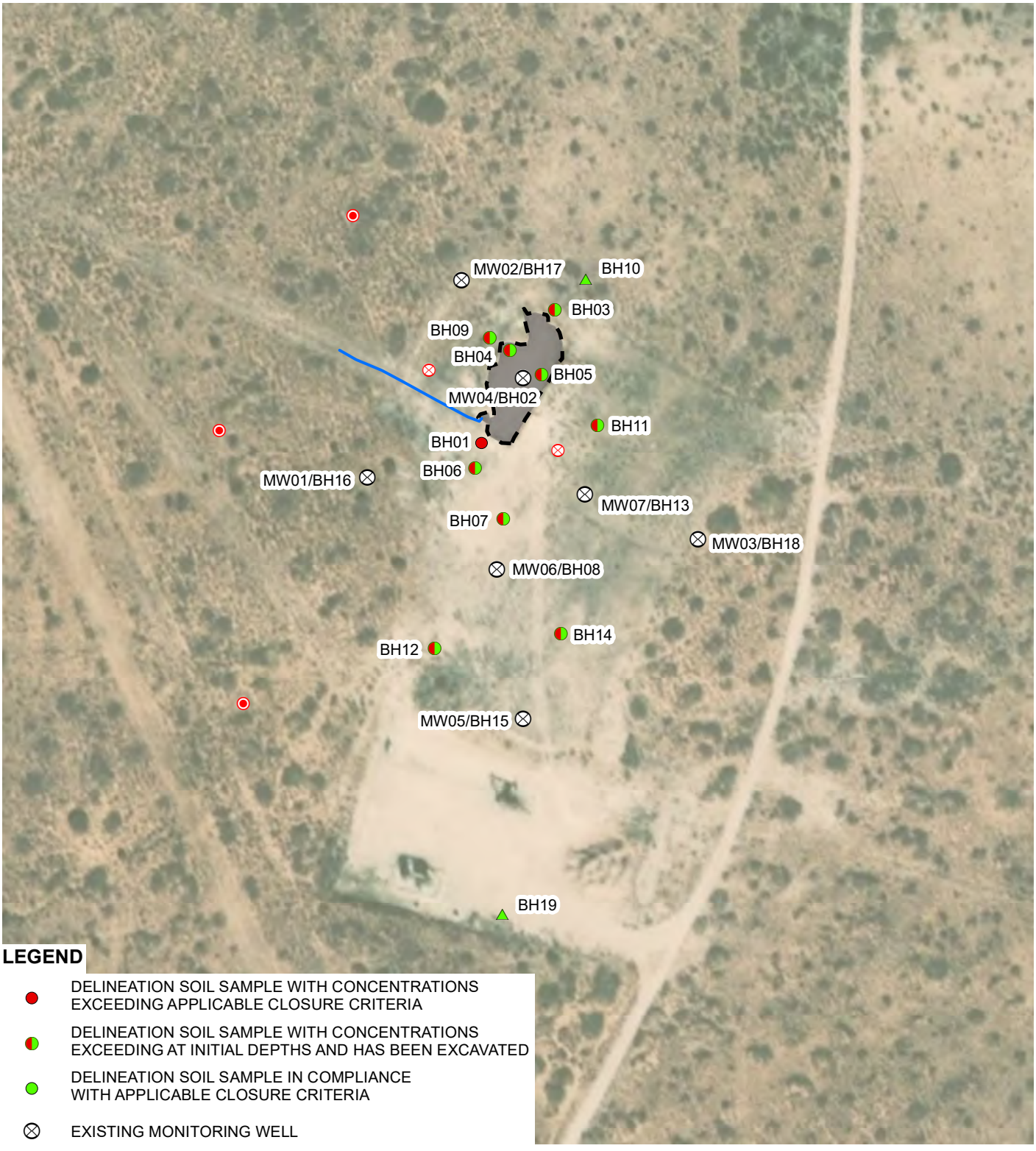

LEGEND

- DELINEATION SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- DELINEATION SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING AT INITIAL DEPTHS AND HAS BEEN EXCAVATED
- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXISTING MONITORING WELL
- BACKGROUND SOIL SAMPLE
- PROPOSED SOIL BORING /MONITORING WELL
- PROPOSED 4-INCH MONITORING WELL
- WATER LINE
- EXCAVATION EXTENT

NOTE: REMEDIATION PERMIT NUMBER 2RP-2674

IMAGE COURTESY OF ESRI

0 150 300
Feet

N

FIGURE 6
PROPOSED SOIL BORING/MONITORING WELL LOCATIONS
AVALON DELAWARE UNIT 816
UNIT 5 SEC 4 T21S R27E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

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TABLES

TABLE 1
DEPTH TO GROUNDWATER AND GROUNDWATER ELEVATION DATA
AVALON DELAWARE UNIT 816
REMEDIATION PERMIT NUMBER 2RP-2674
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

Well Name	Date	Wellhead Elevation, TOC (feet)	Wellhead Elevation, Ground Surface (feet)	DTW (feet)	Adjusted GWEL (feet)
MW01/BH16	4/2/2020	103.26	99.95	38.80	64.46
MW02/BH17	4/2/2020	98.23	94.95	33.64	64.59
MW03/BH18	4/2/2020	98.84	95.81	33.42	65.42
MW04/BH02	4/2/2020	94.56	91.63	29.85	64.71
MW05/MW15	4/2/2020	104.59	101.66	39.32	65.27
MW06/BH08	4/2/2020	102.75	99.79	38.13	64.62
MW07/BH13	4/2/2020	99.14	96.17	33.87	65.27

Well Name	Date	Wellhead Elevation, TOC (feet)	Wellhead Elevation, Ground Surface (feet)	DTW (feet)	Adjusted GWEL (feet)
MW01/BH16	4/14/2020	103.26	99.95	38.88	64.38
MW02/BH17	4/14/2020	98.23	94.95	33.71	64.52
MW03/BH18	4/14/2020	98.84	95.81	33.53	65.31
MW04/BH02	4/14/2020	94.56	91.63	29.95	64.61
MW05/MW15	4/14/2020	104.59	101.66	39.41	65.18
MW06/BH08	4/14/2020	102.75	99.79	38.24	64.51
MW07/BH13	4/14/2020	99.14	96.17	33.97	65.17

Notes:
TOC - top of casing
DTW - depth to water
GWEL - groundwater elevation

TABLE 2
SOIL ANALYTICAL RESULTS
AVALON DELAWARE UNIT 816
REMEDIATION PERMIT NUMBER 2RP-2674
EDDY COUNTY, NEW MEXICO
XTO ENERGY

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10.0**	**NE**	**NE**	**NE**	**50.0**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
BH01	**1**	02/02/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	**1,300**
BH01A	**5**	02/02/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	**1,150**
BH01B	**10**	02/02/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	**1,130**
BH01C	**15**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**1,240**
BH01D	**20**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**6,520**
BH01E	**25**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	**3,940**
BH01F	**30**	02/02/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	**4,070**
BH01G	**33**	02/02/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	**1,820**
BH01H	**34**	02/02/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	**6,640**
BH01I	**35**	02/02/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	**6,160**
BH02	3	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	302
BH02A	**7**	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	**707**
BH02B	**12**	02/01/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	**2,130**
BH02C	**17**	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	**4,420**
BH02D	**22**	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**4,430**
BH02E	**27**	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	**6,880**
BH02F	32	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	194
BH02G	33	02/01/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	215
BH02H	38	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	164
BH03	1	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	107
BH03A	4	02/01/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	123
BH03B	7	02/01/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	470
BH03C	10	02/01/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	533
BH03D	15	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	384
BH03E	20	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	307
BH03F	**25**	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	**2,830**
BH03G	26	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	323
BH03H	31	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	184
BH03I	33	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	151
BH04	3	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	<9.98
BH04A	5	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	<9.98
BH04B	10	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	11
BH04C	15	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	417
BH04D	**20**	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**3,510**
BH04E	25	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	500
BH04F	**30**	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	**1,550**
BH04G	**33**	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	**668**

TABLE 2
SOIL ANALYTICAL RESULTS
AVALON DELAWARE UNIT 816
REMEDIATION PERMIT NUMBER 2RP-2674
EDDY COUNTY, NEW MEXICO
XTO ENERGY

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10.0**	**NE**	**NE**	**NE**	**50.0**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
BH05	3	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	11
BH05A	5	02/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	81
BH05B	**10**	02/01/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	**6,280**
BH05C	**15**	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**3,250**
BH05D	**20**	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**6,810**
BH05E	25	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	494
BH05F	**30**	02/01/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	**2,630**
BH05G	33	02/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	564
BH06	1	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	196
BH06A	**5**	02/02/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	**1,020**
BH06B	**10**	02/02/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	**1,640**
BH06C	**15**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**4,780**
BH06D	**20**	02/02/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	**6,510**
BH06E	**25**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**6,580**
BH06F	**30**	02/02/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	**874**
BH06G	**33**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**995**
BH06H	**34**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	**1,110**
BH06I	35	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	498
BH07	**1**	02/02/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	**1,670**
BH07A	**5**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**2,690**
BH07B	**10**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**8,310**
BH07C	**15**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	**5,850**
BH07D	**20**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**824**
BH07E	**25**	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	**816**
BH07F	30	02/02/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	267
BH07G	33	02/02/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	384
BH07H	34	02/02/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	486
BH07I	35	02/02/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	321
BH08	0.5	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	555
BH08A	**5**	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	**1,530**
BH08B	**10**	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**5,820**
BH08C	**15**	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**814**
BH08D	**20**	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	**1,320**
BH08E	**25**	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	**3,520**
BH08F	**30**	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**1,330**
BH08G	35	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	200
BH08H	37	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	192

TABLE 2
SOIL ANALYTICAL RESULTS
AVALON DELAWARE UNIT 816
REMEDIATION PERMIT NUMBER 2RP-2674
EDDY COUNTY, NEW MEXICO
XTO ENERGY

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10.0**	**NE**	**NE**	**NE**	**50.0**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
BH09	0.5	03/27/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	34.0
BH09A	5	03/27/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	21.0
BH09B	10	03/27/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	<10.0
BH09C	**15**	03/27/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	**698**
BH09D	**20**	03/27/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	**4,130**
BH09E	**25**	03/27/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	**7,010**
BH09F	**30**	03/27/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	**3,970**
BH09G	35	03/27/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.1	<50.1	<50.1	<50.1	<50.1	203
BH09H	37	03/27/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	135
BH10	0.5	03/25/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	39.0
BH10A	5	03/25/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	530
BH10B	10	03/25/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	304
BH10C	15	03/25/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	496
BH10D	20	03/25/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	108
BH10E	25	03/25/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	183
BH10F	30	03/25/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	276
BH10G	35	03/25/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	116
BH10H	37	03/25/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	161
BH11	0.5	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	<9.96
BH11A	5	03/26/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	**663**
BH11B	10	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	355
BH11C	15	03/26/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.9	<49.9	<49.9	<49.9	<49.9	140
BH11D	20	03/26/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	93.9
BH11E	25	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	116
BH11F	30	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	209
BH11G	**35**	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**2,250**
BH11H	**38**	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**612**
BH12	**0.5**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	**1,390**
BH12A	**5**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**4,900**
BH12B	**10**	03/28/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	**4,900**
BH12C	**15**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**3,500**
BH12D	**20**	03/28/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	**632**
BH12E	**25**	03/28/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	**1,320**
BH12F	**30**	03/28/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	**557**
BH12G	**35**	03/28/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	**1,090**
BH12H	**37**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**771**

TABLE 2
SOIL ANALYTICAL RESULTS
AVALON DELAWARE UNIT 816
REMEDIATION PERMIT NUMBER 2RP-2674
EDDY COUNTY, NEW MEXICO
XTO ENERGY

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10.0**	**NE**	**NE**	**NE**	**50.0**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
BH13	0.5	03/27/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	67.4	<50.0	67.4	67.4	<9.96
BH13A	5	03/27/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	189
BH13B	**10**	03/27/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	**624**
BH13C	**15**	03/27/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	**658**
BH13D	**20**	03/27/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**760**
BH13E	25	03/27/2020	<0.00201	<0.00201	<0.00201	0.00201	0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	513
BH13F	30	03/27/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	397
BH13G	35	03/27/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	281
BH13H	37	03/27/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	306
BH14	0.5	03/28/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	15.9
BH14A	**5**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**2,700**
BH14B	**10**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**4,470**
BH14C	**15**	03/28/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	**3,520**
BH14D	**20**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**3,240**
BH14E	**25**	03/28/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	**2,170**
BH14F	30	03/28/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	445
BH14G	**35**	03/28/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	**747**
BH14H	37	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	370
BH15	0.5	03/28/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	38.6
BH15A	**5**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**1,140**
BH15B	**10**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	**2,240**
BH15C	**15**	03/28/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	**2,010**
BH15D	**20**	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	**681**
BH15E	25	03/28/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	267
BH15F	**30**	03/28/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	**1,110**
BH15G	35	03/28/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	404
BH15H	37	03/28/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	351
BH16	0.5	03/25/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	<9.96
BH16A	5	03/25/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	415
BH16B	10	03/25/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	417
BH16C	15	03/25/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	385
BH16D	**20**	03/25/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	**746**
BH16E	**25**	03/25/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**635**
BH16F	30	03/25/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	482
BH16G	35	03/25/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	434
BH16H	37	03/25/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	462

TABLE 2
SOIL ANALYTICAL RESULTS
AVALON DELAWARE UNIT 816
REMEDIATION PERMIT NUMBER 2RP-2674
EDDY COUNTY, NEW MEXICO
XTO ENERGY

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria			**10.0**	**NE**	**NE**	**NE**	**50.0**	**NE**	**NE**	**NE**	**NE**	**100**	**600**
BH17	0.5	03/25/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.3	<50.3	<50.3	<50.3	<50.3	26.8
BH17A	5	03/25/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	39.7
BH17B	10	03/25/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	412
BH17C	15	03/25/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	345
BH17D	20	03/25/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	236
BH17E	25	03/25/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	234
BH17F	30	03/25/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<49.8	<49.8	<49.8	<49.8	<49.8	151
BH17G	**35**	03/25/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	**2,880**
BH17H	**37**	03/25/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	**2,070**
BH18	0.5	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	38.5
BH18A	5	03/26/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	309
BH18B	10	03/26/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	<50.2	<50.2	<50.2	<50.2	378
BH18C	15	03/26/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	250
BH18D	20	03/26/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	136
BH18E	**25**	03/26/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	**860**
BH18F	30	03/26/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	269
BH18G	35	03/26/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	341
BH18H	37	03/26/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	244
BH19A	5	03/29/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	24.0
BH19B	10	03/29/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	22.4
BH19C	15	03/29/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	15.7
BH19D	20	03/29/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	84.3
BH19E	25	03/29/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	150
BH19F	30	03/29/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	255
BH19G	35	03/29/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	130
BH19H	37	03/29/2020	<0.00198	<0.00198	<0.00198	0.0188	0.0188	<49.9	<49.9	<49.9	<49.9	<49.9	399

Notes:

bgs - below ground surface
BTEX - benzene, toluene, ethylbenzene, and total xylenes
DRO - diesel range organics
GRO - gasoline range organics
mg/kg - milligrams per kilogram
MRO - oil range organics
NMAC - New Mexico Administrative Code
NMOCD - New Mexico Oil Conservation Division
NE - not established
TPH - total petroleum hydrocarbons
Bold - indicates result exceeds the applicable regulatory standard
< - indicates result is below laboratory reporting limits
Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29 August 2018

TABLE 3
GROUNDWATER ANALYTICAL RESULTS
AVALON DELAWARE UNIT 816
REMEDIATION PERMIT NUMBER 2RP-2674
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

Sample Name	Sample Date	Chloride (mg/L)	TDS (mg/L)
MW01	04/02/2020	3,210	9,190
MW02	04/02/2020	6,340	15,200
MW03	04/02/2020	1,010	5,700
MW04	04/02/2020	1,880	7,290
MW05	04/02/2020	2,710	8,670
MW06	04/02/2020	1,340	6,290
MW07	04/02/2020	2,150	20,300

Notes:
bgs - below ground surface
TDS - total dissolved solids
mg/L - milligrams per liter

ATTACHMENT 1: INITIAL/FINAL NMOCD FORM C-141 (2RP-2674)

NM OIL CONSERVATION
ARTESIA DISTRICT
DEC 17 2014
RECEIVED

District I
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

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

Form C-141
Revised August 8, 2011

Submit 1 copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1435334641

OPERATOR

X Initial Report ☐ Final Report

Name of Company XTO Energy Inc. 5380	Contact John Robinson
Address 500 West Illinois, Suite 100 Midland TX 79701	Telephone No. 575-441-5199
Facility Name ADU 816 (AVALON DELAWARE UNIT)	Facility Type Injection Well

Surface Owner	Mineral Owner	API No. 3001524696

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	5	21S	27E	563	North	560	East	EDDY

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release Oil and Produced Water	Volume of Release 5 Oil and 60 Water	Volume Recovered None
Source of Release Injection Line	Date and Hour of Occurrence 9-27-14 7:00am	Date and Hour of Discovery 9-27-14 7:00 am
Was Immediate Notice Given? X Yes ☐ No ☐ Not Required	If YES, To Whom? Jeff Robertson	
By Whom? John Robinson	Date and Hour 9-27-14 3:00pm	
Was a Watercourse Reached? ☐ Yes X No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Corrosion on flow line. Shut in well

Describe Area Affected and Cleanup Action Taken.*

Pasture . No action taken yet

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: John Robinson	OIL CONSERVATION DIVISION
Printed Name: John Robinson	Approved by Environmental Specialist: Signed By
Title: Maintenance Foreman	Approval Date: / Expiration Date:
E-mail Address: john_robinson@xtoenergy.com	Conditions of Approval: / Attached ☐
Date: 10-1-14 Phone: 575-441-5199	

* Attach Additional Sheets If Necessary

2RP-2674

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	2RP-2674
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: XTO Energy, Inc	OGRID: 5380
Contact Name: Kyle Littrell	Contact Telephone: (432)-221-7331
Contact email: Kyle_Littrell@xtoenergy.com	Incident #: 2RP-2674
Contact mailing address: 522 W. Mermod, Suite 704 Carlsbad, NM 88220	

Location of Release Source

Latitude 32.51834 Longitude -104.20101
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: ADU 816	Site Type: Injection Well
Date Release Discovered: 9/27/2014	API# *(if applicable):* 30-015-24696

Unit Letter	Section	Township	Range	County
5	4	21S	27E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls): 5	Volume Recovered (bbls): 0
☒ Produced Water	Volume Released (bbls): 60	Volume Recovered (bbls): 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release Corrosion on injection line.		

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-2674
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? Release volume was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By John Robinson to Jeff Robertson on 9/27/2014, at 3:00 pm.	

Initial Response

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

☒ The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: _____ Date: 5-8-2020

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-2674
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-2674
Facility ID	
Application ID	

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: _____ Date: 5-8-2020

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

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	2RP-2674
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Kyle Littrell Title: SH&E Supervisor

Signature: _____ Date: 5-8-2020

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

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

ATTACHMENT 2: HISTORICAL DOCUMENTATION

ENVIRONMENTAL PLUS, INC.
CONSULTING AND ENVIRONMENTAL REMEDIATION

31 March 2015

Mr. Mike Bratcher
Environmental Specialist
NMOCD
811 S. First St.
Artesia, New Mexico 88210

RE: Remediation Progress Report and Closure Proposal
XTO Energy – ADU #816
UL-D, Section 4, Township 21 South, Range 27 East
Eddy County, New Mexico
NMOCD Reference # 2RP-2674

Mr. Bratcher:

The following *Remediation Progress Report and Closure Proposal* serves as a condensed update on remedial activities undertaken and closure proposal for the above referenced Site.

Remediation Progress:
EPI personnel mobilized on the site on November 10, 2014 to collect soil samples to determine the vertical extent of contamination. A total of eleven (11) soil samples were collected at varying depths from three (3) sample locations; SP1 – SP3. All samples were sent to Cardinal Labs for testing. Laboratory analytical results indicate Benzene and BTEX concentrations do not exceed NMOCD Recommended Remedial Action Levels (NMOCD RRALs) of 10 mg/Kg and 50 mg/Kg, respectively, at any depth. However TPH concentrations exceeded NMOCD RRALs of 250 mg/Kg in SP2 at one (1) foot bgs and SP3 at one (1) and four (4) feet bgs. Chloride concentrations exceeded NMOCD RRALs in all samples to a depth of four (4) feet bgs.

From November 11 through 20, 2014 approximately 960 tons of contaminated material were excavated and transported to state approved facility for disposal. At the conclusion of excavation activities six (6) soil samples, SW1 – SW6, were collected from excavation sidewalls and three (3) soil samples, B1 – B3, were collected from the excavation floor. Samples were sent to Cardinal Labs in Hobbs for testing.

On December 5, 2014 sample locations B1 – B3 from the excavation floor were re-drilled with soil samples collected at eighteen (18) feet bgs. Then on January 19, 2015 sample point SP2 was re-drilled with a soil sample collected at thirty-two (32) bgs. All samples were sent to Cardinal Labs for testing.

Laboratory analytical results indicate the excavation sidewalls and floor are void of Benzene, BTEX, and TPH concentrations in excess of NMOCD RRALs of 10 mg/Kg, 50 mg/Kg, and 100 mg/Kg respectively. However, Chloride concentrations exceed NMOCD RRALs of 250 mg/Kg in all samples other than SW3 and SW5 (reference *Figure 4* and *Table 2*).

P.O. BOX 1558 ••• 2100 AVENUE O ••• EUNICE, NEW MEXICO 88231
TELEPHONE 575•394•3481 FAX 575•394•2601

ENVIRONMENTAL PLUS, INC.

Closure Proposal:
Sidewalls of the excavation will be excavated in two (2) foot increments until Chloride concentrations are below NMOCD RRALs. However, taking into consideration the vertical depth of contamination, it would require a very large excavation for removal of all Chloride impacted soil to a depth between approximately four (4) and thirty-two (32) vertical feet. In lieu of this, EPI proposes to place a twenty (20) mil thick polyethylene liner in the bottom of the excavated area (reference *Figure 5*). Bottom of the polyethylene liner will lay on a one (1) foot thick layer of clean top soil. Remainder of the excavation will be backfilled with selected top soil to finish grade. Top soil will be free of deleterious material or rocks or large clumps.

Backfilling will continue until the entire excavation is closed. Upon completion of backfill activities, the entire disturbed area will be contoured to blend with existing pasture area and protected against wind/water erosion. Disturbed areas will be disced and deep drill seeded with a mixture approved by the property owner. However, it is recommended completing this activity in late spring 2015 when ground conditions are more conducive to vegetative growth.

EPI and XTO personnel are aware this represents a “risk based” closure procedure, but feel it is justified under conditions as described above with the sheer volume of soil that would need to be excavated.

Following completion of remediation activities, EPI will provide a detailed *Final Closure Report* to XTO Energy and NMOCD personnel.

XTO Energy and EPI personnel would welcome an opportunity to briefly discuss the *Closure Proposal* at your earliest convenience. However, should you have any questions or concerns please feel free to contact me at (575) 394-3481 or via e-mail at ddominguezepi@gmail.com or Mr. John Robinson at (575) 441-5199 or via e-mail at john_robinson@xtoenergy.com. All official communication should be addressed to:

Mr. John Robinson
XTO Energy
P.O. Box 700
Eunice, New Mexico 88231

Sincerely,

ENVIRONMENTAL PLUS, INC.

Daniel Dominguez
Environmental Consultant

cc: John Robinson – XTO Energy
File

Encl.: Figure 1 – Area Map
Figure 2 – Site Location Map
Figure 3 – Site/Sample Map
Figure 4 – Excavation/Sample Map
Figure 5 – Proposed Liner Location
Table 1 – Well Data
Table 2 – Summary of Soil Sample Field Testing and Laboratory Analytical Results
Attachment I – Photographs
Attachment II – Laboratory Analytical Results
Attachment III – Copy of Initial NMOCD Form C-141

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FIGURES

Figure 1
Area Map
XTO Energy
ADU #816

Eddy County, New Mexico
NW 1/4 of NW 1/4, Sec. 4, T21S, R27E
N 32° 31' 6.16" W 104° 12' 3.98"
Elevation: 3,199 feet amsl

DWG By: D Dominguez
March 2015

REVISED:

SHEET
1 of 1

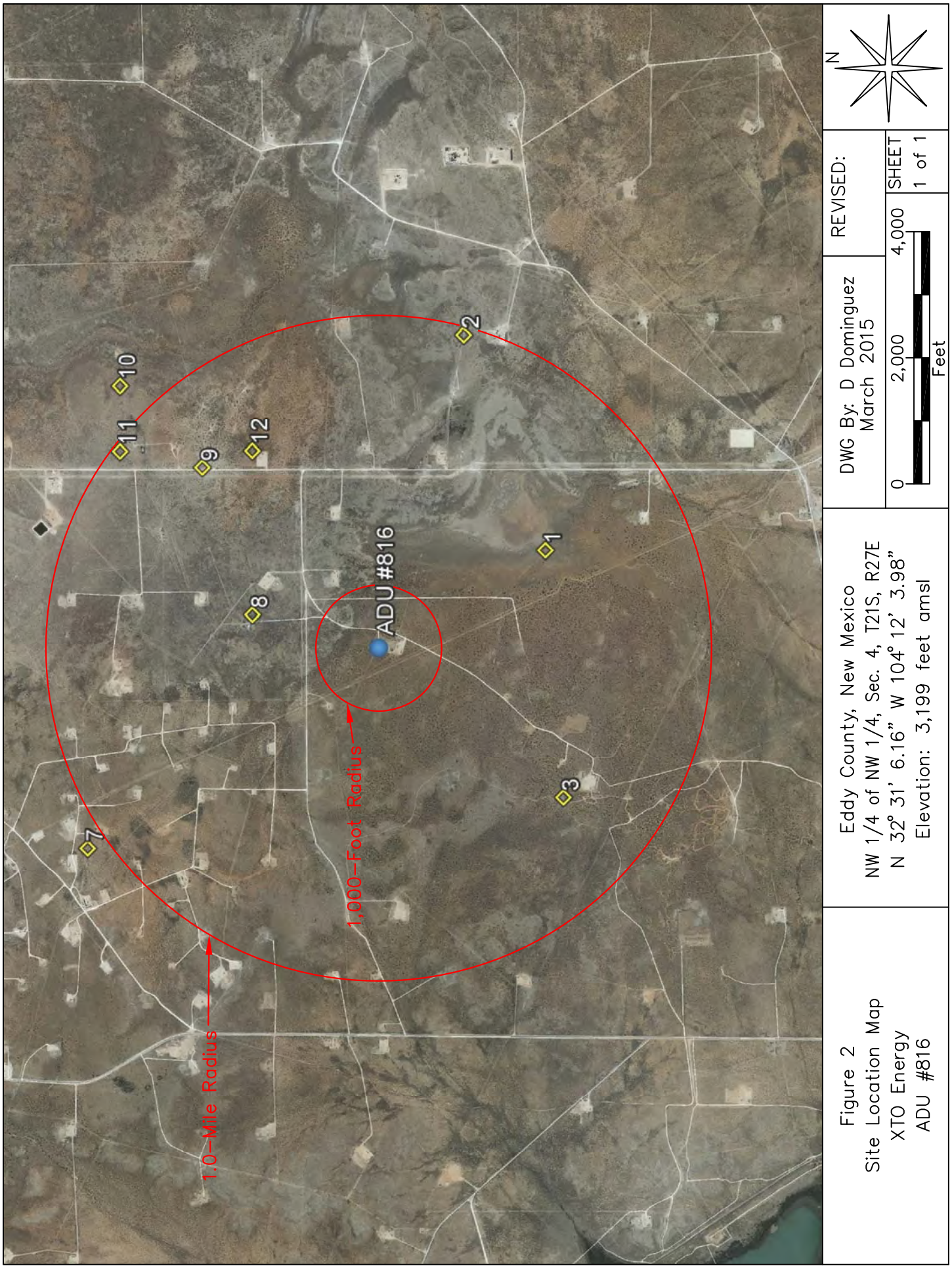

Figure 2
Site Location Map
XTO Energy
ADU #816

Eddy County, New Mexico
NW 1/4 of NW 1/4, Sec. 4, T21S, R27E
N 32° 31' 6.16" W 104° 12' 3.98"
Elevation: 3,199 feet amsl

DWG By: D Dominguez
March 2015

REVISED:

SHEET
1 of 1

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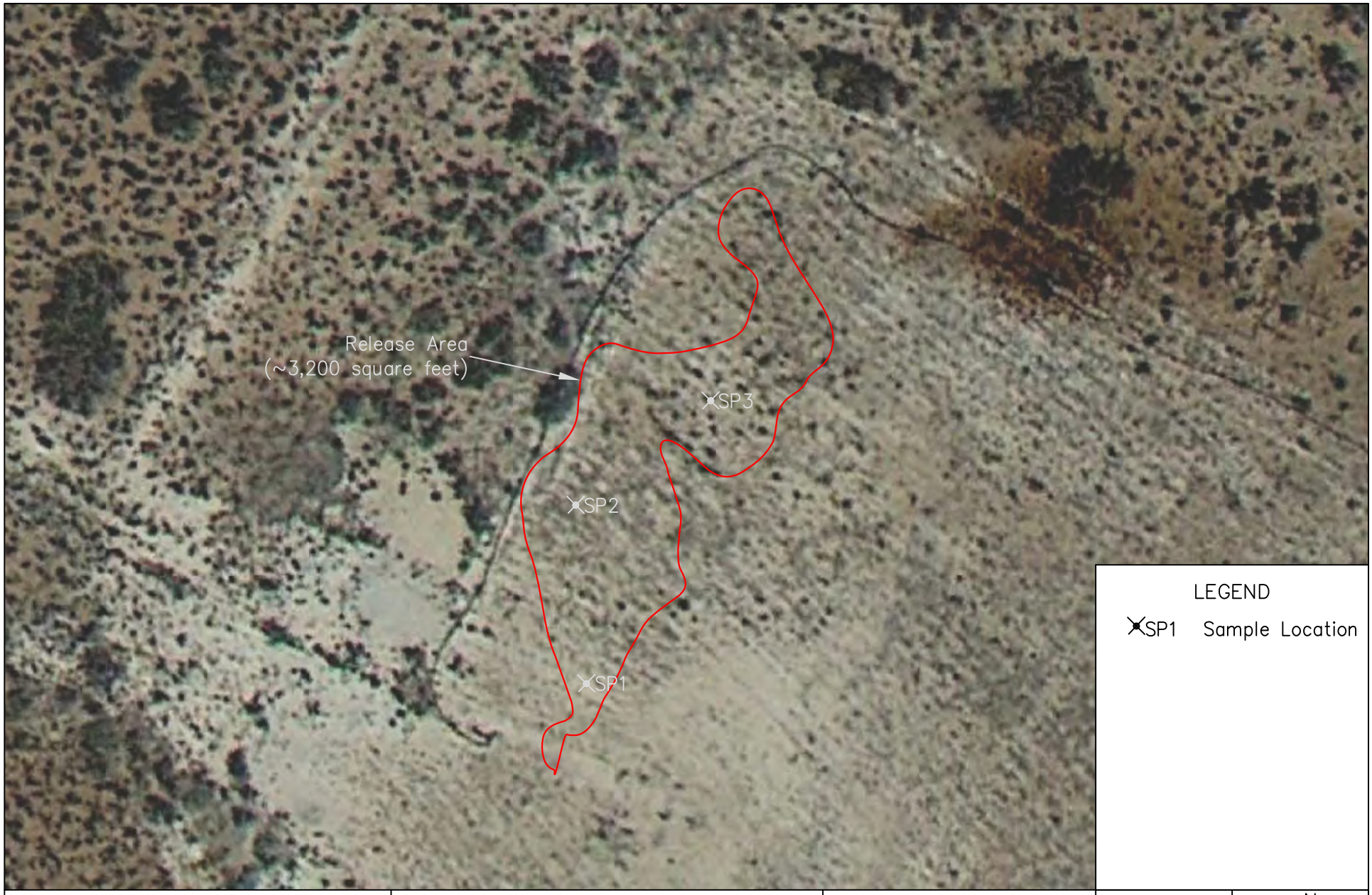

Figure 3 Sample/Site Map XTO Energy ADU #816	Eddy County, New Mexico NW 1/4 of NW 1/4, Sec. 4, T21S, R27E N 32° 31' 6.16" W 104° 12' 3.98" Elevation: 3,199 feet amsl	DWG By: D Dominguez March 2015	REVISED:

0 30 60
Feet

SHEET 1 of 1

N

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Figure 4 Excavation/Sample Map XTO Energy ADU #816	Eddy County, New Mexico NW 1/4 of NW 1/4, Sec. 4, T21S, R27E N 32° 31' 6.16" W 104° 12' 3.98" Elevation: 3,199 feet amsl	DWG By: D Dominguez March 2015	REVISED:	N
		0 30 60 Feet	SHEET 1 of 1	

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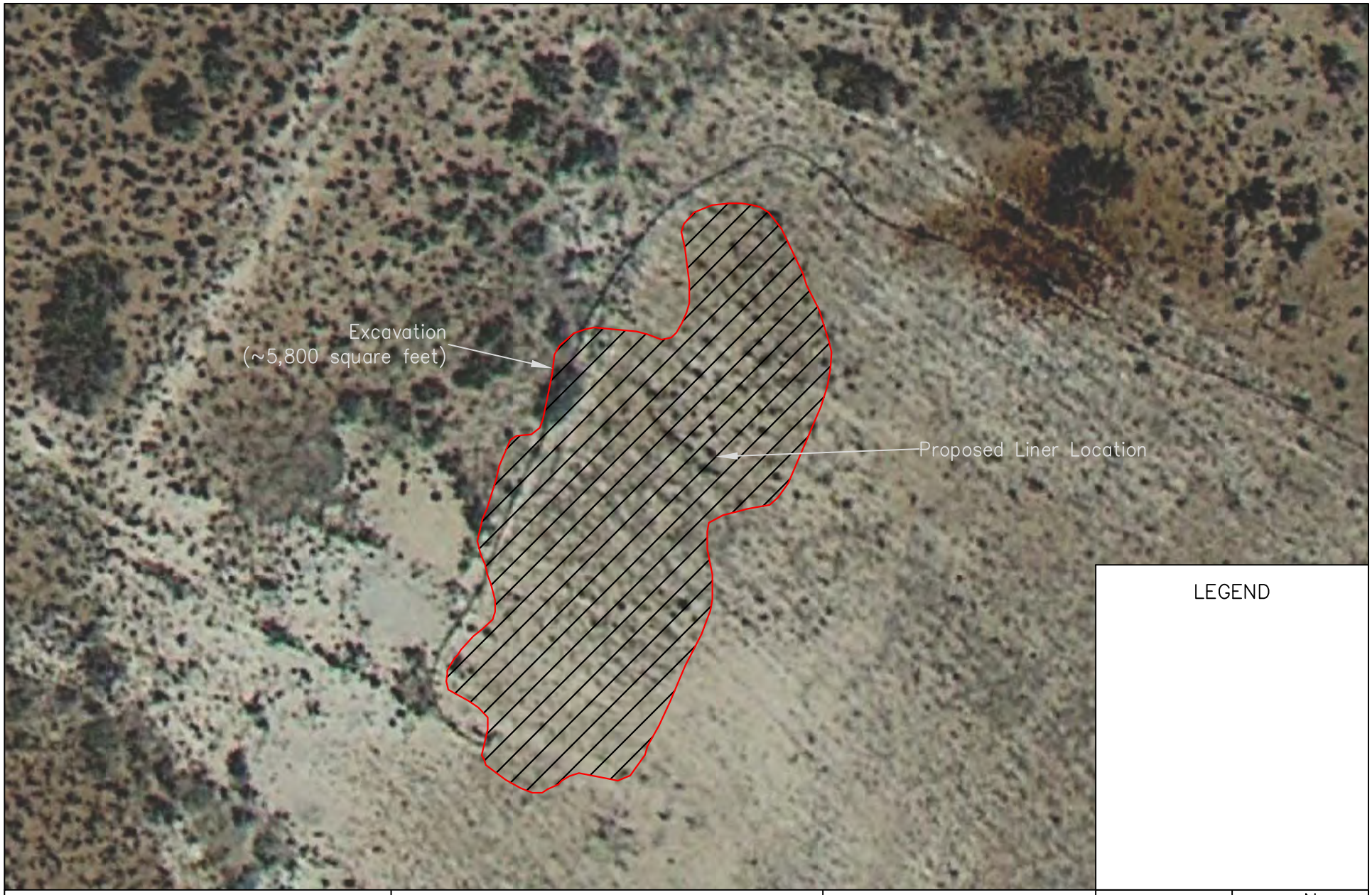

Figure 5 Proposed Liner Location XTO Energy ADU #816	Eddy County, New Mexico NW 1/4 of NW 1/4, Sec. 4, T21S, R27E N 32° 31' 6.16" W 104° 12' 3.98" Elevation: 3,199 feet amsl	DWG By: D Dominguez March 2015	REVISED:	N
		0 30 60 Feet	SHEET 1 of 1	

TABLES

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TABLE 1

Well Data

XTO Energy - ADU #816

Ref #	Well Number	Use	Diversion[A]	Owner	q64	q16	q4	Sec	Twsp	Rng	Easting	Northing	Date Measured	Surface Elevation[B]	Depth to Water (ft bgs)
1	C 01147	STK	3	GERALD ELMORE				4	21S	27E	575637	3597162	--	3,181	--
2	C 02907	DOL	3	RITA NELSON	3	2	1	3	21S	27E	576959	3597669	29-Jan-03	3,201	14
3	C 01333	PRO	0	HUMBLE OIL & REFINING COMPANY	1	1	4	5	21S	27E	574128	3597045	11-May-66	3,327	350
7	CP 00851	SAN	3	EXXON CORPORATION	4	1	2	31	20S	28E	573791	3599940	14-Sep-95	3,248	115
8	CP 00746	STK	3	BRUCE RIGGS	1	3	4	32	20S	28E	575229	3598948	24-Jan-90	3,206	29
9	CP 00671	DOL	3	MARY WALKER		1	3	33	20S	28E	576129	3599260	05-Mar-85	3,209	35
10	CP 00920	STK	3	MATTHEW COX	2	4	1	33	20S	28E	576627	3599766	31-Dec-62	3,209	29
11	CP 00921	COM	13	MATTHEW COX	2	3	1	33	20S	28E	576223	3599763	31-Dec-49	3,210	30
12	CP 00922	STK	3	MATTHEW COX	2	3	3	33	20S	28E	576233	3598956	31-Dec-49	3,207	27
4	C 02482	DOM	3	VERNON W BRAMAN		3	4	8	21S	27E	574236	3594942	20-Jan-96	3,249	185
5	C 01330	STK	3	GERALD ELMORE	3	3	3	9	21S	27E	574941	3594849	18-Apr-66	3,240	80
6	C 01339	EXP	0	INDIAN HILLS GAS SYSTEM LTD.		1	4	9	21S	27E	575842	3595353	31-Aug-66	3,237	120

* = Data obtained from the New Mexico Office of the State Engineer Website (http://iwaters.ose.state.nm.us:7001/iWATERS/wr_RegisServlet1) and USGS Database

[A] = In acre feet per annum [B] = Elevation interpolated from USGS topographical map based on referenced location.

STK = 72-12-1 Livestock watering

DOL = 72-12-1 Domestic and Livestock watering

PRO = 72-12-1 Prospecting or development of Natural Resource

DOM = 72-12-1 Domestic one household

EXP = Exploration

SAN = 72-12-1 Sanitary in conjunction with a commercial use

COM = Commercial

quarters are 1=NW, 2=NE, 3=SW, 4=SE; quarters are smallest to biggest

-- = Data not provided on the NM iwaters website

Shaded area indicates wells not shown in Figure 2

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TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
XTO Energy
ADU #816

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
SP1	1	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	**6,800**
	2	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	**10,000**
	4	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	**10,400**
SP2	1	Excavated	10-Nov-14	--	4,000	<0.050	0.050	0.237	0.767	1.05	18.1	545	**563**	**10,100**
	2	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	0.053	0.360	0.477	<10.0	54	54	**10,400**
	3	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	**6,530**
	4	Excavated	10-Nov-14	--	3,200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	**3,600**
SP3	1	Excavated	10-Nov-14	--	4,000	<0.050	0.129	0.166	2.530	2.82	<10.0	14,000	**14,000**	**2,760**
	2	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	**3,880**
	3	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<20.0	**9,860**
	4	Excavated	10-Nov-14	--	4,000	<0.050	<0.050	<0.050	0.261	<0.300	<10.0	527	**527**	**9,200**
SW1	2	In Situ	21-Nov-14	--	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**384**
SW2	2	In Situ	21-Nov-14	--	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**288**
SW3	2	In Situ	21-Nov-14	--	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	48
SW4	2	In Situ	21-Nov-14	--	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**416**
SW5	2	In Situ	21-Nov-14	--	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	80
SW6	2	In Situ	21-Nov-14	--	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**288**

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TABLE 2
Summary of Soil Sample Field Testing and Laboratory Analytical Results
XTO Energy
ADU #816

Lab Sample ID	Depth (feet)	Soil Status	Sample Date	PID Reading (ppm)	Field Chloride (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	Total TPH (mg/Kg)	Chloride (mg/Kg)
B1	4	In Situ	21-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**13,200**
	18	In Situ	05-Dec-14	--	2,480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**2,480**
B2	4	In Situ	21-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**14,400**
	18	In Situ	05-Dec-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**7,200**
B3	4	In Situ	21-Nov-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**14,000**
	18	In Situ	05-Dec-14	--	4,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<30.0	**6,640**
SP2A	32	In Situ	19-Jan-15	--	--	--	--	--	--	--	--	--	--	**8,320**
NMOCD Recommended Remedial Action Levels				100		10				50			100	250

- - = Not Analyzed
Bold *values are in excess of NMOCD Recommended Remedial Action Levels*
Shaded values indicates soil has been excavated

ATTACHMENTS

ATTACHMENT I
Photographs

Photograph #1 – Looking north-westerly across excavation

Photograph #2 – Looking north-westerly across excavation

Photograph #3 – Looking northerly across excavation

Photograph #4 – Looking northerly across excavation

ATTACHMENT II
Laboratory Analytical Results

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

November 25, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: ADU #816

Enclosed are the results of analyses for samples received by the laboratory on 11/19/14 15:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Hope S. Moreno

Hope S. Moreno For Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 1 (1') (H403562-01)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *89.3 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6880**	16.0	11/20/2014	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *127 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *135 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

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Hope S. Moreno

Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 1 (2') (H403562-02)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *88.9 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10000**	16.0	11/20/2014	ND	400	100	400	3.92	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *116 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *128 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Hope S. Moreno

Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 1 (4') (H403562-03)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *89.3 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10400**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *119 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *123 %* *52.1-176*

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Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 2 (1') (H403562-04)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	**0.050**	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	**0.237**	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	**0.767**	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	**1.05**	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *139 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10100**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	**18.1**	10.0	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	**545**	10.0	11/21/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *120 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *157 %* *52.1-176*

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Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 2 (2') (H403562-05)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	**0.053**	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	**0.360**	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	**0.477**	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.1 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**10400**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	**54.0**	10.0	11/21/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *128 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *139 %* *52.1-176*

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Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 2 (3') (H403562-06)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *91.9 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6530**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *128 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *140 %* *52.1-176*

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Fax To: (505) 394-2601

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 2 (4') (H403562-07)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.4 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3600**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/21/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/21/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *126 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *137 %* *52.1-176*

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Fax To: (505) 394-2601

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 3 (1') (H403562-08)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	**0.129**	0.100	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	**0.166**	0.100	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	**2.53**	0.300	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	**2.82**	0.600	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *120 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2760**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms S-06

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	11/22/2014	ND	207	104	200	0.664	
DRO >C10-C28	**14000**	200	11/22/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *155 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *423 %* *52.1-176*

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Fax To: (505) 394-2601

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 3 (2') (H403562-09)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *90.4 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**3880**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/22/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/22/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *121 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *132 %* *52.1-176*

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Fax To: (505) 394-2601

Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 3 (3') (H403562-10)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	<0.150	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *89.7 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9860**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/22/2014	ND	207	104	200	0.664	
DRO >C10-C28	<10.0	10.0	11/22/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *125 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *136 %* *52.1-176*

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Received:	11/19/2014	Sampling Date:	11/10/2014
Reported:	11/25/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 3 (4') (H403562-11)

BTEX 8021B mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2014	ND	1.76	88.0	2.00	4.65	
Toluene*	<0.050	0.050	11/24/2014	ND	1.62	81.2	2.00	4.93	
Ethylbenzene*	<0.050	0.050	11/24/2014	ND	1.56	78.2	2.00	4.61	
Total Xylenes*	**0.261**	0.150	11/24/2014	ND	4.72	78.7	6.00	4.47	
Total BTEX	<0.300	0.300	11/24/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *93.3 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**9200**	16.0	11/20/2014	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/22/2014	ND	207	104	200	0.664	
DRO >C10-C28	**527**	10.0	11/22/2014	ND	218	109	200	0.554	

Surrogate: 1-Chlorooctane *123 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *141 %* *52.1-176*

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Hope S. Moreno

Hope S. Moreno For Celey D. Keene, Lab Director/Quality Manager

Page 61 of 599

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	Daniel Dominguez
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	XTO
Facility Name	ADU #816
Location	UL-D Sec. 4, T21S, R27E
Project Reference	
EPI Sampler Name	Dustin Crockett

Bill To

Attn: Daniel Dominguez
P.O. Box 1558
Eunice, NM 88231

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
H4035602																									
1	SP1 (1')	G	1			X					X		10-Nov-14	9:50	X	X	X								
2	SP1 (2')	G	1			X					X		10-Nov-14	10:05	X	X	X								
3	SP1 (4')	G	1			X					X		10-Nov-14	10:10	X	X	X								
4	SP2 (1')	G	1			X					X		10-Nov-14	11:00	X	X	X								
5	SP2 (2')	G	1			X					X		10-Nov-14	11:05	X	X	X								
6	SP2 (3')	G	1			X					X		10-Nov-14	11:10	X	X	X								
7	SP2 (4')	G	1			X					X		10-Nov-14	11:15	X	X	X								
8	SP3 (1')	G	1			X					X		10-Nov-14	10:30	X	X	X								
9	SP3 (2')	G	1			X					X		10-Nov-14	10:35	X	X	X								
10	SP3 (3')	G	1			X					X		10-Nov-14	10:40	X	X	X								

Sampler Relinquished: Dustin Crockett Date 11/10/14 Time 13 pm
Received By:
Relinquished by: Date 11/11/14 Time 3:45 pm
Received By: (lab staff) Jodi Henson
Delivered by: -2.3°C
Sample Cool & Intact: Yes / No
Checked By:

E-mail results to: ddominguezepi@gmail.com & rbooneepi@gmail.com
NOTES:

#54

Received by OCD: 5/11/2020 9:23:10 AM

Released to Imaging: 6/9/2022 4:17:14 PM

Page 62 of 599

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	Daniel Dominguez
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	XTO
Facility Name	ADU #816
Location	UL-D Sec. 4, T21S, R27E
Project Reference	
EPI Sampler Name	Dustin Crockett

Bill To

Attn: Daniel Dominguez
P.O. Box 1558
Eunice, NM 88231

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH
H4035562																						
11	SP3 (4')	G	1			X					X		10-Nov-14	10:45	X	X	X					
12																						
13																						
14																						
15																						
16																						
17																						
18																						
19																						
20																						

Sampler Relinquished: Dustin Crockett Date 11/11/14 Time 3pm
Relinquished by: Daniel Dominguez Date 11/19/14 Time 9:49AM
Delivered by: -2.3°C Sample Cool & Intact Yes (No)

Received By: Daniel Dominguez
Received By: (lab staff) Jodi Henson
Checked By: JH

E-mail results to: ddominguezepi@gmail.com & rbooneepi@gmail.com
NOTES:

#54

Received by OCD: 5/11/2020 9:23:10 AM

Released to Imaging: 6/9/2022 4:17:14 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 03, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: ADU #816

Enclosed are the results of analyses for samples received by the laboratory on 11/24/14 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

Released to Imaging: 6/9/2022 4:17:14 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SW 1 (2') (H403620-01)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**384**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *129 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *147 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SW 2 (2') (H403620-02)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *117 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *129 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SW 3 (2') (H403620-03)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *97.8 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**48.0**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *116 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *130 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SW 4 (2') (H403620-04)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.6 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**416**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *126 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *138 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SW 5 (2') (H403620-05)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *100 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *126 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *138 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

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Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SW 6 (2') (H403620-06)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.3 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**288**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *120 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *130 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: B 1 (4') (H403620-07)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**13200**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *119 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *133 %* *52.1-176*

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: B 2 (4') (H403620-08)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.5 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**14400**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/25/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/25/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *111 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *126 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	11/24/2014	Sampling Date:	11/21/2014
Reported:	12/03/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: B 3 (4') (H403620-09)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2014	ND	1.65	82.7	2.00	10.4	
Toluene*	<0.050	0.050	12/02/2014	ND	1.64	81.8	2.00	10.1	
Ethylbenzene*	<0.050	0.050	12/02/2014	ND	1.64	82.1	2.00	9.64	
Total Xylenes*	<0.150	0.150	12/02/2014	ND	5.00	83.4	6.00	10.1	
Total BTEX	<0.300	0.300	12/02/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**14000**	16.0	11/25/2014	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: ms

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/27/2014	ND	197	98.7	200	0.107	
DRO >C10-C28	<10.0	10.0	11/27/2014	ND	198	99.1	200	1.15	

Surrogate: 1-Chlorooctane *108 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *123 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Page 74 of 599

Page 12 of 12

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	Daniel Dominguez
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	XTO
Facility Name	ADU #816
Location	UL-D Sec. 4, T21S, R27E
Project Reference	
EPI Sampler Name	Dustin Crockett

Bill To

Attn: Daniel Dominguez
P.O. Box 1558
Eunice, NM 88231

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
H403620																									
1	SW1 (2')	G	1			X					X		21-Nov-14	1:30	X	X	X								
2	SW2 (2')	G	1			X					X		21-Nov-14	1:40	X	X	X								
3	SW3 (2')	G	1			X					X		21-Nov-14	1:50	X	X	X								
4	SW4 (2')	G	1			X					X		21-Nov-14	2:00	X	X	X								
5	SW5 (2')	G	1			X					X		21-Nov-14	2:10	X	X	X								
6	SW6 (2')	G	1			X					X		21-Nov-14	2:20	X	X	X								
7	B1 (4')	G	1			X					X		21-Nov-14	3:15	X	X	X								
8	B2 (4')	G	1			X					X		21-Nov-14	3:20	X	X	X								
9	B3 (4')	G	1			X					X		21-Nov-14	3:25	X	X	X								
10																									

Sampler Relinquished: Dustin Crockett Date 11/24/14 Time 2:40pm
Received By: Daniel Dominguez
Relinquished by: Daniel Dominguez Date 11/24/14 Time 3:40pm
Received By: (lab staff) Jodi Henson
Delivered by: 2.6°C
Sample Cool & Intact: (Yes) No
Checked By:

#54

E-mail results to: ddominguezepi@gmail.com & rbooneepi@gmail.com

NOTES:

Received by OCD: 5/11/2020 9:23:10 AM

Released to Imaging: 6/9/2022 4:17:14 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

December 15, 2014

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: ADU #816

Enclosed are the results of analyses for samples received by the laboratory on 12/08/14 15:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

Released to Imaging: 6/9/2022 4:17:14 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	12/08/2014	Sampling Date:	12/05/2014
Reported:	12/15/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: B 1 (18') (H403738-01)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	<0.050	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	<0.050	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	<0.150	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	<0.300	0.300	12/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *102 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**2480**	16.0	12/09/2014	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	<10.0	10.0	12/10/2014	ND	201	100	200	0.909	

Surrogate: 1-Chlorooctane *86.6 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *83.3 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	12/08/2014	Sampling Date:	12/05/2014
Reported:	12/15/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: B 2 (18') (H403738-02)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	<0.050	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	<0.050	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	<0.150	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	<0.300	0.300	12/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *101 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**7200**	16.0	12/09/2014	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	<10.0	10.0	12/10/2014	ND	201	100	200	0.909	

Surrogate: 1-Chlorooctane *92.2 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *86.0 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	12/08/2014	Sampling Date:	12/05/2014
Reported:	12/15/2014	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	Cool & Intact
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: B 3 (18') (H403738-03)

BTEX 8021B mg/kg Analyzed By: CK

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	<0.050	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	<0.050	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	<0.150	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	<0.300	0.300	12/11/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID *99.7 %* *61-154*

Chloride, SM4500Cl-B mg/kg Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**6640**	16.0	12/09/2014	ND	400	100	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	<10.0	10.0	12/10/2014	ND	201	100	200	0.909	

Surrogate: 1-Chlorooctane *88.0 %* *47.2-157*

Surrogate: 1-Chlorooctadecane *85.4 %* *52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

Page 80 of 599

Page 6 of 6

Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	Daniel Dominguez
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	XTO
Facility Name	ADU #816
Location	UL-D Sec. 4, T21S, R27E
Project Reference	
EPI Sampler Name	Dustin Crockett

Bill To

Attn: Daniel Dominguez
P.O. Box 1558
Eunice, NM 88231

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
H4D3738																									
1	B1 (18')	G	1			X					X		05-Dec-14	9:30	X	X	X								
2	B2 (18')	G	1			X					X		05-Dec-14	12:15	X	X	X								
3	B3 (18')	G	1			X					X		05-Dec-14	13:20	X	X	X								
4																									
5																									
6																									
7																									
8																									
9																									
10																									

Sampler Relinquished: Dustin Crockett Date 12/8/14 Time 3:40pm Received By: Dan Dominguez

Relinquished by: Dan Dominguez Date 12/9/14 Time 3:42pm Received By: (lab staff) Jodi Henson

Delivered by: 4.4°C Sample Cool & Intact Yes No Checked By:

E-mail results to: ddominguezepi@gmail.com & rbooneepi@gmail.com

NOTES: & john_robinson@xtoenergy.com

#54

Received by OCD: 5/11/2020 9:23:10 AM

Released to Imaging: 6/9/2022 4:17:14 PM

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

January 20, 2015

Daniel Dominguez

Environmental Plus, Inc.

P.O. Box 1558

Eunice, NM 88231

RE: ADU #816

Enclosed are the results of analyses for samples received by the laboratory on 01/20/15 10:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Celey D. Keene

Lab Director/Quality Manager

Released to Imaging: 6/9/2022 4:17:14 PM

CARDINAL Laboratories

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Analytical Results For:

Environmental Plus, Inc.
Daniel Dominguez
P.O. Box 1558
Eunice NM, 88231
Fax To: (505) 394-2601

Received:	01/20/2015	Sampling Date:	01/19/2015
Reported:	01/20/2015	Sampling Type:	Soil
Project Name:	ADU #816	Sampling Condition:	** (See Notes)
Project Number:	XTO	Sample Received By:	Jodi Henson
Project Location:	UL-D SEC. 4, T21S, R27E		

Sample ID: SP 2A (32') (H500178-01)

Chloride, SM4500Cl-B **mg/kg** **Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**8320**	16.0	01/20/2015	ND	400	100	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Environmental Plus, Inc.

2100 Avenue O, Eunice, NM 88231 P.O. Box 1558, Eunice, NM 88231
(575) 394-3481 FAX: (575) 394-2601

Chain of Custody Form

LAB Cardinal

Company Name	Environmental Plus, Inc.
EPI Project Manager	Daniel Dominguez
Mailing Address	P.O. BOX 1558
City, State, Zip	Eunice New Mexico 88231
EPI Phone#/Fax#	575-394-3481 / 575-394-2601
Client Company	XTO
Facility Name	ADU #816
Location	UL-D Sec. 4, T21S, R27E
Project Reference	
EPI Sampler Name	Roger Boone

Bill To

Attn: Daniel Dominguez
P.O. Box 1558
Eunice, NM 88231

ANALYSIS REQUEST

LAB I.D.	SAMPLE I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUND WATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE	ICE/COOL	OTHER	SAMPLING: DATE	TIME	BTEX 8021B	TPH 8015M	CHLORIDES (Cl^-)	SULFATES ($SO_4^{=}$)	pH	TCLP	OTHER >>>	PAH			
H500178																									
1	SP2A (32')	G	1			X					X		19-Jan-15	14:10			X								
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									

Sampler Relinquished: Roger Boone Date 1-20-15 Time 0700 Received By: Jaron Boone

Relinquished by: Jaron Boone Date 1-20-15 Time 10:04 Received By: (lab staff) Jodi Henson

Delivered by: 10.4 °C Sample Cool & Intact Yes No Checked By:

E-mail results to: ddominguezepi@gmail.com & rbooneepi@gmail.com

NOTES: & john_robinson@xtoenergy.com

Received by OCD: 5/11/2020 9:23:10 AM

Released to Imaging: 6/9/2022 4:17:14 PM

From: Hughes, Solomon
To: Daniel Dominguez
Cc: James Amos; Robinson, John; Bratcher, Mike, EMNRD; Oberding, Tomas, EMNRD
Subject: Re: ADU #816, SDE 31 #9
Date: Monday, April 13, 2015 11:58:44 AM

Daniel,

ADU 816

This closure request is approved as written. BLM approval does not relieve the operator of liability, should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, any other aspects of the natural environment, human health, or if the location does not properly reclaim. In such an event that location does not re-vegetate, or future issues with contaminants are encountered, the operator will be asked to address the location until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

SDE 31-09

This closure request is approved as written. BLM approval does not relieve the operator of liability, should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, any other aspects of the natural environment, human health, or if the location does not properly reclaim. In such an event that location does not re-vegetate, or future issues with contaminants are encountered, the operator will be asked to address the location until contaminant issues are fully mitigated and the location is successfully reclaimed. In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws/regulations.

Bests,

Sol

Sol Hughes
Environmental Protection Division
Bureau of Land Management
620 E. Greene St
Carlsbad, NM

Office: 575.234.5951
Cell: 575.499.3378

On Mon, Apr 13, 2015 at 11:37 AM, Daniel Dominguez <ddominguezepi@gmail.com> wrote:

> Gentlemen,
>
> Attached in PDF is the Closure Proposal for the ADU #816 and the No Further Action Proposal for the SDE 31 #9. Both sites are operated by XTO Energy.
>
> --
> Sincerely,
> ENVIRONMENTAL PLUS, INC.
>
> Daniel Dominguez
> Environmental Consultant/Safety Director
>
> Environmental Plus, Inc.
> P.O. Box 1558
> 2100 Avenue 'O'
> Eunice, NM 88231
> (575) 631-0401 (Cell)
> (575) 394-3481 (Office)
> (575) 394-2601 (fax)

From: Bratcher, Mike, EMNRD
To: "Daniel Dominguez"; john_robinson@xtoenergy.com
Cc: shughes@blm.gov; Jim Amos (jamos@blm.gov); Patterson, Heather, EMNRD
Subject: RE: ADU #816 Closure Proposal
Date: Wednesday, April 15, 2015 8:14:00 AM

RE: XTO Energy * Avalon Delaware Unit 816 * 30-015-24696 * A-5-21s-27e * Eddy County, NM
NMOCD Tracking Number: **2RP-2674** * Date of release/discovery: 9/27/14

Gentlemen,

Your request for closure of the above referenced release is **not** approved. OCD will require the site to fully delineated. Based on analytical data provided, the constituent of concern is chlorides. Target goal for chloride delineation is 250 mg/kg or, natural background levels. In the event groundwater is encountered during the delineation process, work is to cease and OCD notified immediately. Please notify the OCD District 2 office once delineation work has been scheduled.

If you have any questions or concerns, and for notification, please contact me.

Mike Bratcher
NMOCD District 2
811 S. First Street
Artesia, NM 88210
O: 575-748-1283 X108
C: 575-626-0857
F: 575-748-9720

From: Daniel Dominguez [mailto:ddominguezepi@gmail.com]
Sent: Wednesday, April 08, 2015 3:50 PM
To: Bratcher, Mike, EMNRD; john_robinson@xtoenergy.com
Subject: ADU #816 Closure Proposal

Mr. Bratcher,

Attached is the Closure Proposal for the ADU #816 operated by XTO Energy. We are proposing sidewall excavation to clean soil, placement of 20 mil poly liner in excavation and then backfill.

--
Sincerely,
ENVIRONMENTAL PLUS, INC.

Daniel Dominguez
Environmental Consultant/Safety Director

Environmental Plus, Inc.
P.O. Box 1558
2100 Avenue 'O'

ATTACHMENT 3: LITHOLOGIC / SOIL SAMPLE LOGS

LT Environmental, Inc.
508 West Stevens Street
Carlsbad, New Mexico 88220
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BH or MW Name: BH01	Date: 2/1/20-2/2/20
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS,RK,WM	Method: Sonic		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4"	Total Depth: 35'
			Depth to Water:

Backfill or Well Construction Materials / Comments: All chloride tests include a 40% correction factor

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
					0	0.5	SP	SAND, dry, tan-pink, poorly graded, fine-very fine, some subrounded caliche gravel tan-off white, moderately consolidated, no stain, no odor	
D	1,282	0.4	N	BH01	1'				
D	1,489	0.4	N	BH01A	5'				
						6			
						8.5	SM	SILTY sand, moist, tan-light brown, no plasticity, non cohesive, no stain, no odor	
M	851	0.4	N	BH01B	10'				
						12			
M	593	1.1	N	BH01C	15'				
						18			
M	2,441	0.9	N	BH01D	20'				
						24			
M	3505	0.7	N	BH01E	25'				
						26	CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor	
M	>3505	0.6	N	BH01F	30'	30			
M	3505	0.6	N	BH01G	33'				
M	9,195	0.1	N	BH01H	34'				
M	6182	0.4	N	BH01I	35'	35		Total Depth: 35 feet bgs	
						36			

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BH or MW Name: BH02/MW04	Date: 3/27/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Sonic Drill		
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 45' / Depth to Water: 38'

Well completed with a 2-in dia 0.010-in slot PVC pipe and solid riser. 10-20 silica sand filled annular space around screen and extended 2 ft. Remaining annular space filled with hydrated bentonite chips. Rise extends approx 2.5 ft beyond excavated surface. Top of casing is approx 2.5 ft from ground surface.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
					0			Open Excavation
						3	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, some gravel caliche, subrounded, tan-off white, no stain, no odor
D	347	0.6	N	BH02	7'			
						9	SM	SILTY sand, moist, reddish-earthy brown, no plasticity, non cohesive, abundant clay pockets, reddish brown, high plasticity, cohesive, no stain, no odor
M	3,018	1.2	N	BH02A	12'			
						15		
M	5,040	2.0	N	BH02B	17'			
						21		
M	5,488	2.0	N	BH02C	22'			
						27	CH	CLAY, moist, reddish brown, high plasticity, cohesive, abundant gypsum crystals (10-15mm), some sand pockets, gray-light gray, no stain, no odor
M	285	0.4	N	BH02D	28			
M	235	0.1	N	BH02E	32'			
M	235	0.2	N	BH02F	33'			
						33		
M	235	0	N	BH02G	38'			
						40		
						45		Total depth 45 feet bgs

Backfill / Well Completion: 10-20 silica sand fr; 2-inch PVC screen and riser; Bentonite chips from 3-33' bgs; Screen from 35-45'

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BH or MW Name: BH03	Date: 2/1/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS, RK	Method: Sonic Drill		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4"	Total Depth: 33'
			Depth to Water:

Backfill or Well Construction Materials / Comments:
Approximately 10' N of excavation/release extent

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
D	778	0.7	N	BH03	0	0.5 1'	SP	SAND, dry, earthy brown, poorly graded, fine-very fine, few caliche gravel, off white, subrounded, moderately consolidated, no stain, no odor	
D	274	0.4	N	BH03A		4'			
D		0.4	N	BH03B	6	7'			
D	308	0.5	N	BH03C		10'	SM	SILTY sand, dry, earthy brown, no plasticity, non cohesive, abundant clay pockets, reddish brown, high plasicity, cohesive, no stain, no odor	
					12				
M	196	1.9	N	BH03D		15'			
					18				
D	436	2.0	N	BH03E		20'			
					24				
M	2128	0.4	N	BH03F		25'			
M	<124	0.1	N	BH03G		26'	CL	CLAY, moist, light brown-tan, low plasticity, cohesive, abundant silty sand pockets, tan, no stain, no odor	
					30				
M	235	0.1	N	BH03H		31'			
M	<124	0.0	N	BH03I		33'		Total Depth: 33 feet bgs	
					36				

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BH or MW Name: BH04	Date: 2/1/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS, RK	Method: Sonic Drill		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4"	Total Depth: 33'
			Depth to Water:

Backfill or Well Construction Materials / Comments:
Borehole within excavation/release extent

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
					0			Open excavation	
D	<173	0.4	N	BH04		3'	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, some caliche gravel, subrounded, tan-off white, no stain, no odor	
D	<173	0.5	N	BH04A	6	5'			
M	<173	0.4	N	BH04B		10'	SM	SILTY sand, moist, light brown-brown, no plasticity, non cohesive, no stain, no odor	
					12				
M	<173	0.4	N	BH04C		15'			
					18				
M	>3505	0.9	N	BH04D		20'			
					24				
M	>3505	0.3	N	BH04E		25'			
						26'	CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor	
M	929	0.2	N	BH04F	30'	30'			
M	<173	0.1	N	BH04G		33'		Total Depth: 33 feet bgs	
					36				

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BH or MW Name: BH05	Date: 2/1/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number:	
Logged By: FS, RK	Method: Sonic Drill
Hole Diameter: 4"	Total Depth: 33'
Field Screening: Chloride, PID	Depth to Water:

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long:

Backfill or Well Construction Materials / Comments:
Borehole within excavation/release extent

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
					0			Open excavation	
D	<173	0.5	N	BH05		3'	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, some caliche gravel, subrounded, tan-off white, moderately consolidated, no stain, no odor	
M	<173	0.5	N	BH05A	6	5'			
M	2811	1.2	N	BH05B		9' 10'	SM	SILTY sand, moist, light brown-reddish brown, no plasticity, non cohesive, some clay pockets, reddish brown, low plasticity, cohesive, no stain, no odor	
M	2,044	0.5	N	BH05C	12	15'			
M	>3505	1.6	N	BH05D	18	20'			
M	929	1.6	N	BH05E	24	25'			
						27'	CH	CLAY, reddish brown, moist, high plasticity, cohesive, abundant silty sand pockets, light brown-tan, no plasticity, non cohesive, no stain, no odor	
M	<173	0.2	N	BH05F	30	30'			
M	392	1	N	BH05G		33'		Total Depth: 33 feet bgs	
					36				

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BH or MW Name: BH06	Date: 2/2/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: WM	Method: Sonic Drill		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4"	Total Depth: 35'
			Depth to Water:

Backfill or Well Construction Materials / Comments:
Approximately 30' S of excavation/release extent, uphill gradient of release 3-5' higher

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
D			N	BH06	0	0	SP	SAND, dry, tan-brown, poorly graded, fine grain, trace silt, no stain, no odor	
						1'			
D	1008	0.1	N	BH06A	6	5'			
D	1,719	0.1	N	BH06B		10'			
					12				
M	2279	0.5	N	BH06C		15'			
						15.5'	CL-S	CLAYSTONE, moist, light brown, poorly consolidated, few fine grain sand, poorly graded, no stain, no odor	
					18				
						18.5'	SW	SAND, moist, tan, well graded, medium grain, no stain, no odor	
M	3,091	0.1	N	BH06D		20'	CL	CLAY, moist, reddish brown, low plasticity, cohesive, few sand, no stain, no odor	
					24				
M	1058	0.5	N	BH06E		25'			
M	778	0.1	N	BH06F	30	30'			
M		0.2	N	BH06G		33'			
M			N	BH06H		34'			
M	593	0.3	N	BH06I		35'		Total Depth 35 feet bgs	
					36				

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BH or MW Name: BH07	Date: 2/2/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: WM	Method: Sonic		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 4"	Total Depth: 35'
			Depth to Water:

Backfill or Well Construction Materials / Comments:
Approximately 60' S of excavation/release extent, uphill gradient of release 6-7' higher

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
D			N	BH07	0	0	SP	SAND, dry, tan-brown, poorly sorted, fine-medium grain, trace silt, trace caliche gravel, no stain, no odor	
D	2,128	0.1	N	BH07A	5				
					6				
						9'	SW	SAND, moist, reddish brown, well graded, medium-large grain, few silt, few caliche gravel, no odor, no stain	
M	7252	0.2	N	BH07B	10				
						11'	SW-S	SANDSTONE, moist, red-white, caliche pockets, low-medium consolidation, no stain, no odor	
					12				
M	6,182	0.6	N	BH07C	15				
					18				
M	3,399	0.3	N	BH07D	20				
						22.5'	SW	SAND, moist, reddish brown, well graded, medium-large grain, few silt, few caliche gravel, no odor, no stain	
					24				
M	2800	0.4	N	BH07E	25				
						28.5'	CH	CLAY, moist, reddish brown, high plasticity, cohesive, some sand, no odor, no odor	
M	2004	0.5	N	BH07F	30				
M		0.5	N	BH07G	33				
M			N	BH07H	34				
M	235	0.1	N	BH07I	35	35'		Total Depth 35 feet bgs	
					36				

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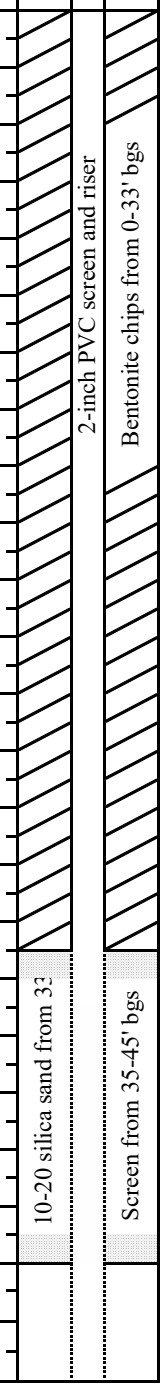
BH or MW Name: BH08/MW06	Date: 3/26/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	
Logged By: FS	Method: Sonic drill
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID
Hole Diameter: 6.15"	Total Depth: 45'
	Depth to Water: 38'

LITHOLOGIC / SOIL SAMPLING LOG

Comments: Well completed with a 2-in dia 0.010-in slot PVC pipe and solid riser. 10-20 silica sand filled annular space around screen and extended 2 ft. Remaining annular space filled with hydrated bentonite chips. Rise extends approx 2.5 ft beyond excavated surface. Top of casing is approx 2.5 ft from ground surface.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	<173	0.1	N	BH08	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, no stain, no odor
D	1,848	0.7	N	BH08A	5'	5	SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor
D	4,233	1.0	N	BH08B	10'	10		
D	649	0.4	N	BH08C	15'	15	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, no stain, no odor
D	1,383	0.5	N	BH08D	20'	20	CL	CLAY, moist, reddish brown, low plasticity, cohesive, abundant sand pockets, reddish brown, poorly graded, no stain, no odor
M	3,018	2.8	N	BH08E	25'	25		
M	1489	4.1	N	BH08F	30'	30		
M	<173	2.1	N	BH08G	35'	35	CH	CLAY, moist, reddish brown, high plasticity, cohesive, some sand pockets, reddish brown, poorly graded, no stain, no odor
M	347	2.0	N	BH08H	37'	40		
						45		Total depth 45 feet bgs

Backfill / Well Completion



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BH or MW Name: BH09	Date: 3/27/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS / Method: Sonic drill
Lat/Long: 32.5210648, -104.2049255 / Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15" / Total Depth: 45' / Depth to Water: 38'

Backfill or Well Construction Materials / Comments: bentonite chips (backfill), 4:1 dilution method for chloride and 40% correction factor

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	207	1	N	BH09	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, no stain, no odor
D	173	0.4	N	BH09A	5'	5	SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor
D	173	0.3	N	BH09B	10'	10		
D	711	1.1	N	BH09C	15'	15	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, some clay pockets, low plasticity, cohesive, no stain, no odor
M	6,468	0.1	N	BH09D	20'	20		
M	7,005	4.2	N	BH09E	25'	25	CL	CLAY, moist, reddish brown, low plasticity, cohesive, abundant sand pockets, reddish brown, poorly graded, no stain, no odor
M	6468	1.1	N	BH09F	30'	30		
M	207	0.2	N	BH09G	35'	35		
M	173	1.2	N	BH09H	37'		CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor
						40		
						45		Total depth 45 feet bgs

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BH or MW Name: BH10	Date: 3/25/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Sonic drill		
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 37' / Depth to Water: 38'

Backfill or Well Construction Materials / Comments: bentonite chips (backfill), 4:1 dilution method for chloride and 40% correction factor

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
D	<173	0	N	BH10	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, abundant gravel caliche, subrounded, tan-off white, no stain, no odor	
D	274	0.4	N	BH10A	5'	5			
D	308	0.1	N	BH10B	10'	10			
							SM	SILTY sand, dry, reddish brown, no plasticity, non cohesive, no stain, no odor	
M	347	0.7	N	BH10C	15'	15			
							CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor	
M	436	1.3	N	BH10D	20'	20			
M	173	0.8	N	BH10E	25'	25			
M	207	1.0	N	BH10F	30'	30			
M	<173	0.4	N	BH10G	35'	35			
M	235	1.9	N	BH10H	37'			Total depth 38 feet bgs	
						40			
						45			

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BH or MW Name: BH11	Date: 3/26/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS / Method: Sonic drill
Lat/Long: 32.5210648, -104.2049255 / Field Screening: Htach chloride strips, PID	Hole Diameter: 6.15" / Total Depth: 45' / Depth to Water: 39'

Backfill or Well Construction Materials / Comments: bentonite chips (backfill), 4:1 dilution method for chloride and 40% correction factor

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
D	<173	1.3	N	BH11	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, no stain, no odor	
D	778	0.9	N	BH11A	5'	5			
							SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor	
D	274	0.5	N	BH11B	10'	10			
D	207	1.3	N	BH11C	15'	15	SM	SILTY sand, dry, reddish brown, no plasticity, non cohesive, no stain, no odor	
D	<173	0.3	N	BH11D	20'	20	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, some clay pockets, low plasticity, cohesive, no stain, no odor	
M	207	1.7	N	BH11E	25'	25	CL	CLAY, moist, reddish brown, low plasticity, cohesive, abundant sand pockets, reddish brown, poorly graded, no stain, no odor	
M	392	0.8	N	BH11F	30'	30			
M	1282	1.0	N	BH11G	35'	35			
M	436	0.7	N	BH11H	37'		CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor	
						40			
						45		Total depth 45 feet bgs	

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BH or MW Name: BH12	Date: 3/28/2020	
Site Name: ADU 816		
RP or Incident Number: 2RP-2674		
LTE Job Number: 012919221		
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS	Method: Sonic drill
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"
		Total Depth: 45'
		Depth to Water: 38'

Backfill or Well Construction Materials / Comments: bentonite chips (backfill), 4:1 dilution method for chloride and 40% correction factor

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
D	1,489	0.5	N	BH12	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, no stain, no odor	
D	5,958	0.9	N	BH12A	5'	5	SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor	
D	3,018	1.5	N	BH12B	10'	10	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, no stain, no odor	
D	2,441	1.8	N	BH12C	15'	15			
M	778	2.8	N	BH12D	20'	20			
M	929	3.2	N	BH12E	25'	25			
M	778	3.7	N	BH12F	30'	30	CL	CLAY, moist, reddish brown, high plasticity, cohesive, trace sand pockets, reddish brown, poorly graded, no stain, no odor	
M	929	1.8	N	BH12G	35'	35	CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor	
M	929	1.9	N	BH12H	37'				
						40			
						45		Total depth 45 feet bgs	

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BH or MW Name: BH13/MW07	Date: 3/27/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

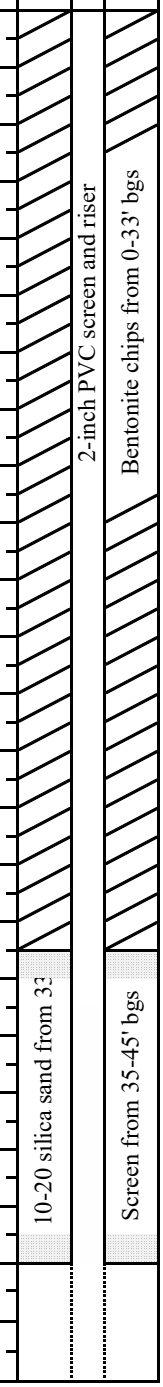
LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Sonic drill		
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 45'
			Depth to Water: 38'

Comments: Well completed with a 2-in dia 0.010-in slot PVC pipe and solid riser. 10-20 silica sand filled annular space around screen and extended 2 ft. Remaining annular space filled with hydrated bentonite chips. Rise extends approx 2.5 ft beyond excavated surface. Top of casing is approx 2.5 ft from ground surface.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	173	7.3	N	BH13	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, no stain, no odor
D	392	0.9	N	BH13A	5'	5		
D	778	3.5	N	BH13B	10'	10	SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor
D	649	6.5	N	BH13C	15'	15		
D	537	3.5	N	BH13D	20'	20		
D	778	8.7	N	BH13E	25'	25		
							SP	SAND, dry, reddish brown, poorly graded, fine-very fine, no stain, no odor
M	593	5.1	N	BH13F	30'	30	CL	CLAY, moist, reddish brown, low plasticity, cohesive, abundant sand pockets, reddish brown, poorly graded, no stain, no odor
M	347	0.2	N	BH13G	35'	35		
M	487	1.3	N	BH13H	37'		CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor
						40		
						45		Total depth 45 feet bgs

Backfill / Well Completion



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BH or MW Name: BH14	Date: 3/28/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS		Method: Sonic drill	
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 45' / Depth to Water: 38'

Backfill or Well Construction Materials / Comments: Bentonite chips (backfill), 4:1 dilution method for chloride and 40% correction factor

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	<173	0.3	N	BH14	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, no stain, no odor
D	2,620	0.7	N	BH14A	5'	5	SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor
D	2,620	0.6	N	BH14B	10'	10	SM	SILTY sand, dry, reddish brown, no plasticity, non cohesive, no stain, no odor
D	2,441	0.9	N	BH14C	15'	15		
M	1,282	0.9	N	BH14D	20'	20	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, some clay pockets, low plasticity, no stain, no odor
M	778	1.0	N	BH14E	25'	25		no stain, no odor
M	487	2.6	N	BH14F	30'	30	CL	CLAY, moist, reddish brown, high plasticity, cohesive, abundant sand pockets, reddish brown, poorly graded, no stain, no odor
M	851	0.7	N	BH14G	35'	35	CH	CLAY, moist, reddish brown, high plasticity, cohesive, trace sand pockets, reddish brown, poorly graded, no stain, no odor
M	593	0	N	BH14H	37'			
						40		
						45		Total depth 45 feet bgs

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BH or MW Name: BH15/MW05	Date: 3/28/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Sonic drill		
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 45' / Depth to Water: 38'

Comments: Well completed with a 2-in dia 0.010-in slot PVC pipe and solid riser. 10-20 silica sand filled annular space around screen and extended 2 ft. Remaining annular space filled with hydrated bentonite chips. Rise extends approx 2.5 ft beyond excavated surface. Top of casing is approx 2.5 ft from ground surface.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	<173	53	N	MW05	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, trace gravel caliche, subrounded, tan-off white, no stain, no odor
D	1,092	0.5	N	MW05A	5'	5		
D	1,982	0.8	N	MW05B	10'	10	SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor
							SP	SAND, dry, reddish brown, poorly graded, fine-very fine, unconsolidated, no stain, no odor
D	1,848	0.8	N	MW05C	15'	15		
D	711	1.4	N	MW05D	20'	20		
D	274	1.0	N	MW05E	25'	25		
M	487	0.6	N	MW05F	30'	30	CL	CLAY, moist reddish brown, low plasticity, cohesive, some sand pockets, reddish brown, poorly graded, no stain, no odor
M	649	0.2	N	MW05G	35'	35		
M	487	0.2	N	MW05H	37'		CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor
						40		
						45		Total depth 45 feet bgs

Backfill / Well Completion: 2-inch PVC screen and riser; Bentonite chips from 0-33' bgs; 10-20 silica sand from; Screen from 35-45' bg

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BH or MW Name: BH16/MW01	Date: 3/25/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Sonic drill		
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 45' / Depth to Water: 38'

Comments: Well completed with a 2-in dia 0.010-in slot PVC pipe and solid riser. 10-20 silica sand filled annular space around screen and extended 2 ft. Remaining annular space filled with hydrated bentonite chips. Rise extends approx 2.5 ft beyond excavated surface. Top of casing is approx 2.5 ft from ground surface.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	<173	1.5	N	MW01	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, abundant gravel caliche, subrounded, tan-off white, no stain, no odor
D	711	0.5	N	MW01A	5'	5		
							SM	SILTY sand, dry, reddish brown, no plasticity, non cohesive, no stain, no odor
D	778	0.3	N	MW01B	10'	10	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, no stain, no odor
D	711	1.8	N	MW01C	15'	15		
D	778	1.2	N	MW01D	20'	20		
M	649	0.1	N	MW01E	25'	25		
M	274	1.1	N	MW01F	30'	30		
M	308	0.4	N	MW01G	35'	35	CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor
M	594	0	N	MW01H	37'			
						40		
						45		Total depth 45 feet bgs

Backfill / Well Completion: 2-inch PVC screen and riser; Bentonite chips from 0-33' bgs; 10-20 silica sand from 33-45'; Screen from 35-45' bgs

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BH or MW Name: BH17/MW02	Date: 3/25/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Sonic drill		
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 50' / Depth to Water: 38'

Comments: Well completed with a 2-in dia 0.010-in slot PVC pipe and solid riser. 10-20 silica sand filled annular space around screen and extended 2 ft. Remaining annular space filled with hydrated bentonite chips. Rise extends approx 2.5 ft beyond excavated surface. Top of casing is approx 2.5 ft from ground surface.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	<173	0.5	N	MW02	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, abundant gravel caliche, subrounded, tan-off white, no stain, no odor
D	<173	0.6	N	MW02A	5'	5		
							SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor
D	392	0.7	N	MW02B	10'	10		
D	436	2.6	N	MW02C	15'	15	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, no stain, no odor
M	274	1.8	N	MW02D	20'	20		
M	274	0.9	N	MW02E	25'	25		
M	<173	0.4	N	MW02F	30'	30	CH	CLAY, moist, reddish brown, high plasticity, cohesive, trace sand pockets, reddish brown, poorly graded, no stain, no odor
M	778	0.3	N	MW02G	35'	35		
M	593	0	N	MW02H	37'			
						40		
						45		
						50		Total depth 50 feet bgs

Backfill / Well Completion: 10-20 silica sand from 33; 2-inch PVC screen and riser; Bentonite chips from 0-33' bgs; Screen from 35-45' bgs

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BH or MW Name: BH18/MW03	Date: 3/26/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Sonic drill		
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 46' / Depth to Water: 38'

Comments: Well completed with a 2-in dia 0.010-in slot PVC pipe and solid riser. 10-20 silica sand filled annular space around screen and extended 2 ft. Remaining annular space filled with hydrated bentonite chips. Rise extends approx 2.5 ft beyond excavated surface. Top of casing is approx 2.5 ft from ground surface.

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	<173	0.4	N	MW03	0.5'	0	SP	SAND, dry, light brown-pink, poorly graded, fine-very fine, abundant gravel caliche, subrounded, tan-off white, no stain, no odor
D	436	0.3	N	MW03A	5'	5		
D	274	0.6	N	MW03B	10'	10	SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor
D	308	0.6	N	MW03C	15'	15	SM	SILTY sand, dry, reddish brown, no plasticity, non cohesive, no stain, no odor
M	<173	0.5	N	MW03D	20'	20		
M	436	1.3	N	MW03E	25'	25	SP	SAND, moist, reddish brown, poorly graded, fine-very fine, no stain, no odor
M	487	1.3	N	MW03F	30'	30		
M	392	0.3	N	MW03G	35'	35	CH	CLAY, moist, reddish brown, high plasticity, cohesive, some sand pockets, reddish brown, poorly graded, no stain, no odor
M	308	0.1	N	MW03H	37'			
						40		
						45		Total depth 46 feet bgs

Backfill / Well Completion: 10-20 silica sand from; 2-inch PVC screen and riser; Bentonite chips from 0-33' bgs; Screen from 35-45' bg

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BH or MW Name: BH19	Date: 3/29/2020
Site Name: ADU 816	
RP or Incident Number: 2RP-2674	
LTE Job Number: 012919221	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS		Method: Sonic drill	
Lat/Long: 32.5210648, -104.2049255	Field Screening: Hatch chloride strips, PID	Hole Diameter: 6.15"	Total Depth: 45' / Depth to Water: 38'

Backfill or Well Construction Materials / Comments: Bentonite chips (backfill), 4:1 dilution method for chloride and 40% correction factor

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	Backfill / Well Completion
D	392	4.7	N	BH19	0.5'	0	CCHE	CALICHE, dry, tan-off white, poorly consolidated, pad fill, no stain, no odor	
D	173	0.5	N	BH19A	5'	5	SP	SAND, dry, light brown-dark brown, poorly graded, fine-very fine, some gravel caliche, subrounded, tan-off white, white no stain, no odor	
D	235	0.7	N	BH19B	10'	10	SW	SAND, dry, light brown-reddish brown, well graded, sub angular, unconsolidated, no stain, no odor	
D	173	1.1	N	BH19C	15'	15	SP	SAND, dry, reddish brown, poorly graded, fine-very fine, no stain, no odor	
M	274	7.3	N	BH19D	20'	20			
M	308	3.7	N	BH14E	25'	25			
M	392	3.4	N	BH19F	30'	30			
M	274	3.9	N	BH19G	35'	35	CL	CLAY, moist, reddish brown, low plasticity, cohesive, trace sand pockets, reddish brown, poorly graded, no stain, no odor	
M	436	2	N	BH19H	37'	40	CH	CLAY, moist, reddish brown, high plasticity, cohesive, no stain, no odor	
						45		Total depth 45 feet bgs	

ATTACHMENT 4: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Photograph 1: View south of drilling and excavation area facing north.

Photograph 2: View of excavation and drilling area facing west.

Site Name: Avalon Delaware Unit 816
Site Location: 32.51834, -104.20101
Photographs Taken: January 2020 – April 2020

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PHOTOGRAPHIC LOG

Photograph 3: View southeast of excavation facing northwest.

Photograph 4: View west of excavation facing east.

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PHOTOGRAPHIC LOG

Photograph 5: View of MW04 inside the excavation.

Photograph 6: View of MW01 in pasture north of excavation.

ATTACHMENT 5: LABORATORY ANALYTICAL REPORTS

Analytical Report 651153

for

LT Environmental, Inc.

Project Manager: Dan Moir

ADU 816

012919221

06-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)

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06-FEB-20

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

Reference: XENCO Report No(s): **651153**
ADU 816
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 651153. 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. 651153 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Assistant

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
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A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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Released to Imaging: 6/9/2022 4:17:14 PM

Sample Cross Reference 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH02	S	02-01-20 10:58	3 ft	651153-001
BH02A	S	02-01-20 11:00	7 ft	651153-002
BH02B	S	02-01-20 11:03	12 ft	651153-003
BH02C	S	02-01-20 11:08	17 ft	651153-004
BH02D	S	02-01-20 11:12	22 ft	651153-005
BH02E	S	02-01-20 11:20	27 ft	651153-006
BH02F	S	02-01-20 11:22	32 ft	651153-007
BH02G	S	02-01-20 11:31	33 ft	651153-008
BH02H	S	02-01-20 11:40	38 ft	651153-009
BH03	S	02-01-20 12:10	1 ft	651153-010
BH03A	S	02-01-20 12:13	4 ft	651153-011
BH03B	S	02-01-20 12:20	7 ft	651153-012
BH03C	S	02-01-20 12:30	10 ft	651153-013
BH03D	S	02-01-20 12:33	15 ft	651153-014
BH03E	S	02-01-20 12:40	20 ft	651153-015
BH03F	S	02-01-20 12:42	25 ft	651153-016
BH03G	S	02-01-20 12:45	26 ft	651153-017
BH03H	S	02-01-20 12:50	31 ft	651153-018
BH03I	S	02-01-20 12:55	33 ft	651153-019
BH04	S	02-01-20 14:30	3 ft	651153-020
BH04A	S	02-01-20 14:35	5 ft	651153-021
BH04B	S	02-01-20 14:40	10 ft	651153-022
BH04C	S	02-01-20 14:45	15 ft	651153-023
BH04D	S	02-01-20 14:50	20 ft	651153-024
BH04E	S	02-01-20 14:56	25 ft	651153-025
BH04F	S	02-01-20 15:00	30 ft	651153-026
BH04G	S	02-01-20 15:05	33 ft	651153-027
BH05	S	02-01-20 16:15	3 ft	651153-028
BH05A	S	02-01-20 16:20	5 ft	651153-029
BH05B	S	02-01-20 16:31	10 ft	651153-030
BH05C	S	02-01-20 16:35	15 ft	651153-031
BH05D	S	02-01-20 16:37	20 ft	651153-032
BH05E	S	02-01-20 16:43	25 ft	651153-033
BH05F	S	02-01-20 16:50	30 ft	651153-034
BH05G	S	02-01-20 16:57	33 ft	651153-035

Version: 1.%

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: ADU 816

Project ID: *012919221*
Work Order Number(s): *651153*

Report Date: *06-FEB-20*
Date Received: *02/03/2020*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3115436 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3115506 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3115507 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analysis Summary 651153

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested		651153-001		651153-002		651153-003		651153-004		651153-005		651153-006	
	Lab Id:	651153-001		651153-002		651153-003		651153-004		651153-005		651153-006	
	Field Id:	BH02		BH02A		BH02B		BH02C		BH02D		BH02E	
	Depth:	3- ft		7- ft		12- ft		17- ft		22- ft		27- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-01-20 10:58		Feb-01-20 11:00		Feb-01-20 11:03		Feb-01-20 11:08		Feb-01-20 11:12		Feb-01-20 11:20	
BTEX by EPA 8021B	*Extracted:*	Feb-03-20 16:00		Feb-03-20 16:00		Feb-03-20 16:00		Feb-03-20 16:00		Feb-03-20 16:00		Feb-03-20 16:00	
	Analyzed:	Feb-04-20 00:08		Feb-04-20 00:29		Feb-04-20 00:49		Feb-04-20 01:10		Feb-04-20 01:30		Feb-04-20 01:50	
	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	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00397	0.00397	<0.00398	0.00398	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	*Extracted:*	Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19	
	Analyzed:	Feb-04-20 17:27		Feb-04-20 17:32		Feb-04-20 17:38		Feb-04-20 17:44		Feb-04-20 18:03		Feb-04-20 18:09	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		302	49.6	707	49.9	2130	50.1	4420	101	4430	50.3	6880	49.9
TPH by SW8015 Mod	*Extracted:*	Feb-03-20 17:00		Feb-03-20 17:00		Feb-03-20 17:00		Feb-03-20 17:00		Feb-03-20 17:00		Feb-03-20 17:00	
	Analyzed:	Feb-04-20 02:38		Feb-04-20 02:38		Feb-04-20 02:58		Feb-04-20 03:18		Feb-04-20 03:18		Feb-04-20 03:39	
	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	<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.2	50.2
Diesel Range Organics (DRO)		<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.2	50.2
Total GRO-DRO		<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.2	50.2
Total TPH		<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.0	50.0	<50.1	50.1	<50.2	50.2

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

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Version: 1.%

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 651153

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651153-007		651153-008		651153-009		651153-010		651153-011		651153-012	
	Field Id:	BH02F		BH02G		BH02H		BH03		BH03A		BH03B	
	Depth:	32- ft		33- ft		38- ft		1- ft		4- ft		7- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-01-20 11:22		Feb-01-20 11:31		Feb-01-20 11:40		Feb-01-20 12:10		Feb-01-20 12:13		Feb-01-20 12:20	
BTEX by EPA 8021B	***Extracted:***	Feb-03-20 16:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00	
	Analyzed:	Feb-04-20 02:11		Feb-04-20 04:18		Feb-04-20 04:38		Feb-04-20 04:59		Feb-04-20 05:19		Feb-04-20 05:40	
	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	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
m,p-Xylenes		<0.00398	0.00398	<0.00404	0.00404	<0.00399	0.00399	<0.00400	0.00400	<0.00402	0.00402	<0.00402	0.00402
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19	
	Analyzed:	Feb-04-20 18:15		Feb-04-20 18:22		Feb-04-20 18:35		Feb-04-20 18:40		Feb-04-20 18:56		Feb-04-20 19:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		194	10.0	215	9.92	164	9.96	107	9.98	123	10.1	470	10.1
TPH by SW8015 Mod	***Extracted:***	Feb-03-20 17:00		Feb-03-20 17:00		Feb-03-20 17:00		Feb-03-20 17:00		Feb-03-20 17:00		Feb-03-20 17:00	
	Analyzed:	Feb-04-20 03:39		Feb-04-20 03:59		Feb-04-20 03:59		Feb-04-20 04:19		Feb-04-20 04:19		Feb-04-20 04:39	
	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	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.0	50.0
Diesel Range Organics (DRO)		<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.0	50.0
Total GRO-DRO		<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.0	50.0
Total TPH		<49.9	49.9	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.0	50.0

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Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 651153

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651153-013		651153-014		651153-015		651153-016		651153-017		651153-018	
	Field Id:	BH03C		BH03D		BH03E		BH03F		BH03G		BH03H	
	Depth:	10- ft		15- ft		20- ft		25- ft		26- ft		31- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-01-20 12:30		Feb-01-20 12:33		Feb-01-20 12:40		Feb-01-20 12:42		Feb-01-20 12:45		Feb-01-20 12:50	
BTEX by EPA 8021B	***Extracted:***	Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00	
	Analyzed:	Feb-04-20 06:00		Feb-04-20 06:20		Feb-04-20 06:41		Feb-04-20 07:01		Feb-04-20 07:22		Feb-04-20 08:23	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00402	0.00402	<0.00400	0.00400	<0.00398	0.00398	<0.00398	0.00398	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19		Feb-04-20 10:19	
	Analyzed:	Feb-04-20 19:18		Feb-04-20 19:23		Feb-04-20 19:28		Feb-04-20 19:34		Feb-04-20 19:39		Feb-04-20 19:45	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		533	10.0	384	49.7	307	49.9	2830	49.6	323	49.9	184	9.96
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00	
	Analyzed:	Feb-04-20 17:42		Feb-04-20 18:22		Feb-04-20 18:22		Feb-04-20 18:42		Feb-04-20 18:42		Feb-04-20 19:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1	<50.1	50.1
Diesel Range Organics (DRO)		<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1	<50.1	50.1
Total GRO-DRO		<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1	<50.1	50.1
Total TPH		<50.3	50.3	<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.1	50.1	<50.1	50.1

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
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Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 651153

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651153-019		651153-020		651153-021		651153-022		651153-023		651153-024	
	Field Id:	BH03I		BH04		BH04A		BH04B		BH04C		BH04D	
	Depth:	33- ft		3- ft		5- ft		10- ft		15- ft		20- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-01-20 12:55		Feb-01-20 14:30		Feb-01-20 14:35		Feb-01-20 14:40		Feb-01-20 14:45		Feb-01-20 14:50	
BTEX by EPA 8021B	***Extracted:***	Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00	
	Analyzed:	Feb-04-20 08:43		Feb-04-20 09:04		Feb-04-20 09:24		Feb-04-20 09:45		Feb-04-20 10:05		Feb-04-20 10:25	
	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	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00400	0.00400	<0.00399	0.00399	<0.00399	0.00399	<0.00399	0.00399	<0.00401	0.00401	<0.00400	0.00400
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Feb-04-20 10:19		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23	
	Analyzed:	Feb-04-20 19:50		Feb-05-20 12:06		Feb-05-20 12:22		Feb-05-20 12:27		Feb-05-20 12:33		Feb-05-20 12:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		151	9.98	<9.98	9.98	<9.98	9.98	11.3	9.92	417	49.4	3510	49.9
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00	
	Analyzed:	Feb-04-20 19:02		Feb-04-20 19:21		Feb-04-20 19:21		Feb-04-20 19:41		Feb-04-20 20:01		Feb-04-20 20:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.2	50.2	<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.1	50.1
Diesel Range Organics (DRO)		<50.3	50.3	<50.2	50.2	<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.2	50.2	<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.1	50.1
Total GRO-DRO		<50.3	50.3	<50.2	50.2	<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.1	50.1
Total TPH		<50.3	50.3	<50.2	50.2	<49.9	49.9	<50.2	50.2	<49.9	49.9	<50.1	50.1

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Version: 1.%

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 651153

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651153-025		651153-026		651153-027		651153-028		651153-029		651153-030	
	Field Id:	BH04E		BH04F		BH04G		BH05		BH05A		BH05B	
	Depth:	25- ft		30- ft		33- ft		3- ft		5- ft		10- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-01-20 14:56		Feb-01-20 15:00		Feb-01-20 15:05		Feb-01-20 16:15		Feb-01-20 16:20		Feb-01-20 16:31	
BTEX by EPA 8021B	***Extracted:***	Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 19:00		Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41	
	Analyzed:	Feb-04-20 10:46		Feb-04-20 11:06		Feb-04-20 11:27		Feb-04-20 05:14		Feb-04-20 05:35		Feb-04-20 05:55	
	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	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
m,p-Xylenes		<0.00400	0.00400	<0.00398	0.00398	<0.00398	0.00398	<0.00401	0.00401	<0.00398	0.00398	<0.00397	0.00397
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00198	0.00198
Chloride by EPA 300	***Extracted:***	Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23	
	Analyzed:	Feb-05-20 12:43		Feb-05-20 12:59		Feb-05-20 13:05		Feb-05-20 13:11		Feb-05-20 13:16		Feb-05-20 13:22	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		500	50.4	1550	50.1	668	49.9	11.2	10.1	80.7	50.4	6280	99.2
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:00	
	Analyzed:	Feb-04-20 20:20		Feb-04-20 20:20		Feb-04-20 20:40		Feb-04-20 20:40		Feb-04-20 21:00		Feb-04-20 21:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.2	50.2
Diesel Range Organics (DRO)		<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.2	50.2
Total GRO-DRO		<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.2	50.2
Total TPH		<49.8	49.8	<50.2	50.2	<50.3	50.3	<50.0	50.0	<49.8	49.8	<50.2	50.2

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Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 651153

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested											
	Lab Id:	651153-031		651153-032		651153-033		651153-034		651153-035	
	Field Id:	BH05C		BH05D		BH05E		BH05F		BH05G	
	Depth:	15- ft		20- ft		25- ft		30- ft		33- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-01-20 16:35		Feb-01-20 16:37		Feb-01-20 16:43		Feb-01-20 16:50		Feb-01-20 16:57	
BTEX by EPA 8021B	***Extracted:***	Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41	
	Analyzed:	Feb-04-20 06:15		Feb-04-20 06:36		Feb-04-20 06:56		Feb-04-20 07:17		Feb-04-20 07:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
m,p-Xylenes		<0.00400	0.00400	<0.00400	0.00400	<0.00399	0.00399	<0.00396	0.00396	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23	
	Analyzed:	Feb-05-20 13:40		Feb-05-20 13:46		Feb-05-20 14:03		Feb-05-20 14:09		Feb-05-20 14:15	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3250	49.9	6810	49.6	494	49.9	2630	50.4	564	10.0
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 17:00		Feb-04-20 17:00		Feb-04-20 17:35		Feb-04-20 17:30		Feb-04-20 17:30	
	Analyzed:	Feb-04-20 21:19		Feb-04-20 21:19		Feb-05-20 03:48		Feb-05-20 01:13		Feb-05-20 01:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0
Total GRO-DRO		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0
Total TPH		<50.0	50.0	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0

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Version: 1.%

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH02**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-001	Date Collected:	02.01.20 10.58	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**302**	49.6	mg/kg	02.04.20 17.27		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 02.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 02.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 02.38	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 02.38	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 02.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.04.20 02.38	
o-Terphenyl	84-15-1	104	%	70-135	02.04.20 02.38	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH02**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-001	Date Collected:	02.01.20 10.58	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.00	Basis:	Wet Weight
Seq Number:	3115436				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 00.08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 00.08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 00.08	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 00.08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 00.08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 00.08	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 00.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.04.20 00.08	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.20 00.08	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH02A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-002	Date Collected:	02.01.20 11.00	Sample Depth:	7 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**707**	49.9	mg/kg	02.04.20 17.32		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.04.20 02.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.04.20 02.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.04.20 02.38	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.04.20 02.38	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.04.20 02.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.04.20 02.38	
o-Terphenyl	84-15-1	96	%	70-135	02.04.20 02.38	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH02A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-002	Date Collected:	02.01.20 11.00	Sample Depth:	7 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.00	Basis:	Wet Weight
Seq Number:	3115436				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 00.29	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 00.29	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 00.29	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 00.29	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 00.29	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 00.29	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 00.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 00.29	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.20 00.29	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH02B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-003	Date Collected:	02.01.20 11.03	Sample Depth:	12 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2130**	50.1	mg/kg	02.04.20 17.38		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 02.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 02.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 02.58	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 02.58	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 02.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	02.04.20 02.58	
o-Terphenyl	84-15-1	100	%	70-135	02.04.20 02.58	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH02B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-003	Date Collected:	02.01.20 11.03	Sample Depth:	12 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.00	Basis:	Wet Weight
Seq Number:	3115436				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.20 00.49	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.20 00.49	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.20 00.49	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.04.20 00.49	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.20 00.49	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.20 00.49	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.20 00.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 00.49	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 00.49	

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ADU 816

Sample Id:	**BH02C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-004	Date Collected:	02.01.20 11.08	Sample Depth:	17 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4420**	101	mg/kg	02.04.20 17.44		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.20 03.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.20 03.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.20 03.18	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.04.20 03.18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.20 03.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.04.20 03.18	
o-Terphenyl	84-15-1	101	%	70-135	02.04.20 03.18	

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ADU 816

Sample Id:	**BH02C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-004	Date Collected:	02.01.20 11.08	Sample Depth:	17 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.00	Basis:	Wet Weight
Seq Number:	3115436				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 01.10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 01.10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 01.10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 01.10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 01.10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 01.10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 01.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.20 01.10	
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 01.10	

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Sample Id:	**BH02D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-005	Date Collected:	02.01.20 11.12	Sample Depth:	22 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4430**	50.3	mg/kg	02.04.20 18.03		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 03.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 03.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 03.18	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 03.18	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 03.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.04.20 03.18	
o-Terphenyl	84-15-1	96	%	70-135	02.04.20 03.18	

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Sample Id:	**BH02D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-005	Date Collected:	02.01.20 11.12	Sample Depth:	22 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.00	Basis:	Wet Weight
Seq Number:	3115436				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 01.30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 01.30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 01.30	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 01.30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 01.30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 01.30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 01.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.04.20 01.30	
1,4-Difluorobenzene	540-36-3	94	%	70-130	02.04.20 01.30	

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Sample Id:	**BH02E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-006	Date Collected:	02.01.20 11.20	Sample Depth:	27 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6880**	49.9	mg/kg	02.04.20 18.09		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 03.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 03.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 03.39	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 03.39	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 03.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	02.04.20 03.39	
o-Terphenyl	84-15-1	117	%	70-135	02.04.20 03.39	

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Sample Id:	**BH02E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-006	Date Collected:	02.01.20 11.20	Sample Depth:	27 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.00	Basis:	Wet Weight
Seq Number:	3115436				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 01.50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 01.50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 01.50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 01.50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 01.50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 01.50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 01.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.04.20 01.50	
1,4-Difluorobenzene	540-36-3	86	%	70-130	02.04.20 01.50	

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Sample Id:	**BH02F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-007	Date Collected:	02.01.20 11.22	Sample Depth:	32 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**194**	10.0	mg/kg	02.04.20 18.15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.04.20 03.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.04.20 03.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.04.20 03.39	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	02.04.20 03.39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.04.20 03.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.04.20 03.39	
o-Terphenyl	84-15-1	98	%	70-135	02.04.20 03.39	

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Sample Id:	**BH02F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-007	Date Collected:	02.01.20 11.22	Sample Depth:	32 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.00	Basis:	Wet Weight
Seq Number:	3115436				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 02.11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 02.11	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 02.11	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 02.11	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 02.11	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 02.11	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 02.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.04.20 02.11	
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.20 02.11	

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Sample Id:	**BH02G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-008	Date Collected:	02.01.20 11.31	Sample Depth:	33 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**215**	9.92	mg/kg	02.04.20 18.22		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 03.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 03.59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 03.59	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 03.59	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 03.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.04.20 03.59	
o-Terphenyl	84-15-1	97	%	70-135	02.04.20 03.59	

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Sample Id:	**BH02G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-008	Date Collected:	02.01.20 11.31	Sample Depth:	33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.20 04.18	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.20 04.18	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.20 04.18	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.20 04.18	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.20 04.18	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.20 04.18	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.20 04.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 04.18	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 04.18	

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Sample Id:	**BH02H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-009	Date Collected:	02.01.20 11.40	Sample Depth:	38 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**164**	9.96	mg/kg	02.04.20 18.35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 03.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 03.59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 03.59	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 03.59	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 03.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.04.20 03.59	
o-Terphenyl	84-15-1	98	%	70-135	02.04.20 03.59	

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Sample Id:	**BH02H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-009	Date Collected:	02.01.20 11.40	Sample Depth:	38 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 04.38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 04.38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 04.38	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 04.38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 04.38	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 04.38	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 04.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 04.38	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 04.38	

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ADU 816

Sample Id:	**BH03**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-010	Date Collected:	02.01.20 12.10	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**107**	9.98	mg/kg	02.04.20 18.40		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 04.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 04.19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 04.19	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 04.19	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 04.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.04.20 04.19	
o-Terphenyl	84-15-1	95	%	70-135	02.04.20 04.19	

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ADU 816

Sample Id:	**BH03**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-010	Date Collected:	02.01.20 12.10	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 04.59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 04.59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 04.59	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 04.59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 04.59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 04.59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 04.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 04.59	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.04.20 04.59	

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Sample Id:	**BH03A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-011	Date Collected:	02.01.20 12.13	Sample Depth:	4 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**123**	10.1	mg/kg	02.04.20 18.56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 04.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 04.19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 04.19	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 04.19	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 04.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.04.20 04.19	
o-Terphenyl	84-15-1	96	%	70-135	02.04.20 04.19	

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Sample Id:	**BH03A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-011	Date Collected:	02.01.20 12.13	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 05.19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 05.19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 05.19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.20 05.19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 05.19	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 05.19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 05.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 05.19	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 05.19	

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Sample Id:	**BH03B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-012	Date Collected:	02.01.20 12.20	Sample Depth:	7 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**470**	10.1	mg/kg	02.04.20 19.02		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.03.20 17.00	Basis:	Wet Weight
Seq Number:	3115454				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.20 04.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.20 04.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.20 04.39	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.04.20 04.39	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.20 04.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.04.20 04.39	
o-Terphenyl	84-15-1	98	%	70-135	02.04.20 04.39	

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Sample Id:	**BH03B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-012	Date Collected:	02.01.20 12.20	Sample Depth:	7 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 05.40	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 05.40	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 05.40	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.20 05.40	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 05.40	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 05.40	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 05.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 05.40	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 05.40	

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Sample Id:	**BH03C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-013	Date Collected:	02.01.20 12.30	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**533**	10.0	mg/kg	02.04.20 19.18		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.04.20 17.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.04.20 17.42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.04.20 17.42	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	02.04.20 17.42	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.04.20 17.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.04.20 17.42	
o-Terphenyl	84-15-1	93	%	70-135	02.04.20 17.42	

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Sample Id:	**BH03C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-013	Date Collected:	02.01.20 12.30	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 06.00	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 06.00	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 06.00	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.20 06.00	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 06.00	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 06.00	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 06.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 06.00	
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 06.00	

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Sample Id:	**BH03D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-014	Date Collected:	02.01.20 12.33	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**384**	49.7	mg/kg	02.04.20 19.23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 18.22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 18.22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 18.22	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 18.22	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 18.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.04.20 18.22	
o-Terphenyl	84-15-1	95	%	70-135	02.04.20 18.22	

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Sample Id:	**BH03D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-014	Date Collected:	02.01.20 12.33	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 06.20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 06.20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 06.20	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 06.20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 06.20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 06.20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 06.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.20 06.20	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 06.20	

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Sample Id:	**BH03E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-015	Date Collected:	02.01.20 12.40	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**307**	49.9	mg/kg	02.04.20 19.28		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.04.20 18.22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.04.20 18.22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.04.20 18.22	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.04.20 18.22	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.04.20 18.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	02.04.20 18.22	
o-Terphenyl	84-15-1	100	%	70-135	02.04.20 18.22	

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Sample Id:	**BH03E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-015	Date Collected:	02.01.20 12.40	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 06.41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 06.41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 06.41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 06.41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 06.41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 06.41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 06.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 06.41	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 06.41	

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Sample Id:	**BH03F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-016	Date Collected:	02.01.20 12.42	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2830**	49.6	mg/kg	02.04.20 19.34		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.04.20 18.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.04.20 18.42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.04.20 18.42	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.04.20 18.42	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.04.20 18.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	118	%	70-135	02.04.20 18.42	
o-Terphenyl	84-15-1	121	%	70-135	02.04.20 18.42	

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Sample Id:	**BH03F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-016	Date Collected:	02.01.20 12.42	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 07.01	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 07.01	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 07.01	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 07.01	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 07.01	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 07.01	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 07.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 07.01	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 07.01	

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Sample Id:	**BH03G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-017	Date Collected:	02.01.20 12.45	Sample Depth:	26 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**323**	49.9	mg/kg	02.04.20 19.39		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 18.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 18.42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 18.42	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 18.42	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 18.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.04.20 18.42	
o-Terphenyl	84-15-1	101	%	70-135	02.04.20 18.42	

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Sample Id:	**BH03G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-017	Date Collected:	02.01.20 12.45	Sample Depth:	26 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 07.22	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 07.22	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 07.22	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 07.22	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 07.22	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 07.22	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 07.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 07.22	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 07.22	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **BH03H** Matrix: Soil Date Received:02.03.20 14.47

Lab Sample Id: 651153-018 Date Collected: 02.01.20 12.50 Sample Depth: 31 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 02.04.20 10.19 Basis: Wet Weight

Seq Number: 3115611

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**184**	9.96	mg/kg	02.04.20 19.45		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 02.04.20 17.00 Basis: Wet Weight

Seq Number: 3115598

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 19.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 19.02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 19.02	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 19.02	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 19.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.04.20 19.02	
o-Terphenyl	84-15-1	104	%	70-135	02.04.20 19.02	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH03H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-018	Date Collected:	02.01.20 12.50	Sample Depth:	31 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 08.23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 08.23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 08.23	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 08.23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 08.23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 08.23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 08.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 08.23	
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 08.23	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH03I**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-019	Date Collected:	02.01.20 12.55	Sample Depth:	33 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.19	Basis:	Wet Weight
Seq Number:	3115611				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**151**	9.98	mg/kg	02.04.20 19.50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.04.20 19.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.04.20 19.02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.04.20 19.02	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	02.04.20 19.02	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.04.20 19.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.04.20 19.02	
o-Terphenyl	84-15-1	95	%	70-135	02.04.20 19.02	

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ADU 816

Sample Id:	**BH03I**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-019	Date Collected:	02.01.20 12.55	Sample Depth:	33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 08.43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 08.43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 08.43	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 08.43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 08.43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 08.43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 08.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 08.43	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.20 08.43	

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Sample Id:	**BH04**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-020	Date Collected:	02.01.20 14.30	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	02.05.20 12.06	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 19.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 19.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 19.21	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 19.21	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 19.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	02.04.20 19.21	
o-Terphenyl	84-15-1	103	%	70-135	02.04.20 19.21	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH04**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-020	Date Collected:	02.01.20 14.30	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 09.04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 09.04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 09.04	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 09.04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 09.04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 09.04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 09.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 09.04	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.20 09.04	

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Sample Id:	**BH04A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-021	Date Collected:	02.01.20 14.35	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	02.05.20 12.22	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.04.20 19.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.04.20 19.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.04.20 19.21	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	02.04.20 19.21	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.04.20 19.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.04.20 19.21	
o-Terphenyl	84-15-1	96	%	70-135	02.04.20 19.21	

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Sample Id:	**BH04A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-021	Date Collected:	02.01.20 14.35	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 09.24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 09.24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 09.24	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 09.24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 09.24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 09.24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 09.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 09.24	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 09.24	

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ADU 816

Sample Id:	**BH04B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-022	Date Collected:	02.01.20 14.40	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.3**	9.92	mg/kg	02.05.20 12.27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 19.41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 19.41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 19.41	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 19.41	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 19.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.04.20 19.41	
o-Terphenyl	84-15-1	105	%	70-135	02.04.20 19.41	

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Sample Id:	**BH04B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-022	Date Collected:	02.01.20 14.40	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 09.45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 09.45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 09.45	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 09.45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 09.45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 09.45	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 09.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 09.45	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.04.20 09.45	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH04C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-023	Date Collected:	02.01.20 14.45	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**417**	49.4	mg/kg	02.05.20 12.33		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.04.20 20.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.04.20 20.01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.04.20 20.01	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	02.04.20 20.01	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.04.20 20.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	02.04.20 20.01	
o-Terphenyl	84-15-1	108	%	70-135	02.04.20 20.01	

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Sample Id:	**BH04C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-023	Date Collected:	02.01.20 14.45	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 10.05	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 10.05	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 10.05	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.20 10.05	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 10.05	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 10.05	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 10.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.20 10.05	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 10.05	

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ADU 816

Sample Id:	**BH04D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-024	Date Collected:	02.01.20 14.50	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3510**	49.9	mg/kg	02.05.20 12.38		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 20.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 20.01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 20.01	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 20.01	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 20.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.04.20 20.01	
o-Terphenyl	84-15-1	94	%	70-135	02.04.20 20.01	

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Sample Id:	**BH04D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-024	Date Collected:	02.01.20 14.50	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 10.25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 10.25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 10.25	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 10.25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 10.25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 10.25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 10.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.04.20 10.25	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 10.25	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH04E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-025	Date Collected:	02.01.20 14.56	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**500**	50.4	mg/kg	02.05.20 12.43		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.04.20 20.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.04.20 20.20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.04.20 20.20	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.04.20 20.20	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.04.20 20.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.04.20 20.20	
o-Terphenyl	84-15-1	96	%	70-135	02.04.20 20.20	

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ADU 816

Sample Id:	**BH04E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-025	Date Collected:	02.01.20 14.56	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 10.46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 10.46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 10.46	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 10.46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 10.46	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 10.46	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 10.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	02.04.20 10.46	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 10.46	

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Sample Id:	**BH04F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-026	Date Collected:	02.01.20 15.00	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1550**	50.1	mg/kg	02.05.20 12.59		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 20.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 20.20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 20.20	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 20.20	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 20.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.04.20 20.20	
o-Terphenyl	84-15-1	93	%	70-135	02.04.20 20.20	

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Sample Id:	**BH04F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-026	Date Collected:	02.01.20 15.00	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 11.06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 11.06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 11.06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 11.06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 11.06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 11.06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 11.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 11.06	
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.04.20 11.06	

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Sample Id:	**BH04G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-027	Date Collected:	02.01.20 15.05	Sample Depth:	33 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**668**	49.9	mg/kg	02.05.20 13.05		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.04.20 20.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.04.20 20.40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.04.20 20.40	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	02.04.20 20.40	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.04.20 20.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	02.04.20 20.40	
o-Terphenyl	84-15-1	98	%	70-135	02.04.20 20.40	

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Sample Id:	**BH04G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-027	Date Collected:	02.01.20 15.05	Sample Depth:	33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 19.00	Basis:	Wet Weight
Seq Number:	3115506				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 11.27	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 11.27	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 11.27	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 11.27	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 11.27	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 11.27	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 11.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.04.20 11.27	
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 11.27	

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Sample Id:	**BH05**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-028	Date Collected:	02.01.20 16.15	Sample Depth:	3 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**11.2**	10.1	mg/kg	02.05.20 13.11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.20 20.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.20 20.40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.20 20.40	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.04.20 20.40	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.20 20.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.04.20 20.40	
o-Terphenyl	84-15-1	96	%	70-135	02.04.20 20.40	

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Sample Id:	**BH05**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-028	Date Collected:	02.01.20 16.15	Sample Depth:	3 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 05.14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 05.14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 05.14	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.20 05.14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 05.14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 05.14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 05.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 05.14	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 05.14	

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Sample Id:	**BH05A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-029	Date Collected:	02.01.20 16.20	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**80.7**	50.4	mg/kg	02.05.20 13.16		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.04.20 21.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.04.20 21.00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.04.20 21.00	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.04.20 21.00	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.04.20 21.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.04.20 21.00	
o-Terphenyl	84-15-1	100	%	70-135	02.04.20 21.00	

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Sample Id:	**BH05A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-029	Date Collected:	02.01.20 16.20	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 05.35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 05.35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 05.35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 05.35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 05.35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 05.35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 05.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.20 05.35	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 05.35	

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Sample Id:	**BH05B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-030	Date Collected:	02.01.20 16.31	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6280**	99.2	mg/kg	02.05.20 13.22		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 21.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 21.00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 21.00	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 21.00	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 21.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	02.04.20 21.00	
o-Terphenyl	84-15-1	94	%	70-135	02.04.20 21.00	

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Sample Id:	**BH05B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-030	Date Collected:	02.01.20 16.31	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.20 05.55	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.20 05.55	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.20 05.55	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.04.20 05.55	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.20 05.55	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.20 05.55	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.20 05.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 05.55	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 05.55	

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ADU 816

Sample Id:	**BH05C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-031	Date Collected:	02.01.20 16.35	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3250**	49.9	mg/kg	02.05.20 13.40		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.00	Basis:	Wet Weight
Seq Number:	3115598				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.20 21.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.20 21.19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.20 21.19	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.04.20 21.19	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.20 21.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.04.20 21.19	
o-Terphenyl	84-15-1	104	%	70-135	02.04.20 21.19	

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ADU 816

Sample Id:	**BH05C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-031	Date Collected:	02.01.20 16.35	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 06.15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 06.15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 06.15	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 06.15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 06.15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 06.15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 06.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 06.15	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.20 06.15	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **BH05D** Matrix: Soil Date Received:02.03.20 14.47

Lab Sample Id: 651153-032 Date Collected: 02.01.20 16.37 Sample Depth: 20 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 02.04.20 10.23 Basis: Wet Weight

Seq Number: 3115658

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6810**	49.6	mg/kg	02.05.20 13.46		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 02.04.20 17.00 Basis: Wet Weight

Seq Number: 3115598

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 21.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 21.19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 21.19	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 21.19	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 21.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.04.20 21.19	
o-Terphenyl	84-15-1	97	%	70-135	02.04.20 21.19	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH05D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-032	Date Collected:	02.01.20 16.37	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 06.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 06.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 06.36	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 06.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 06.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 06.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 06.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 06.36	
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.20 06.36	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH05E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-033	Date Collected:	02.01.20 16.43	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**494**	49.9	mg/kg	02.05.20 14.03		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.05.20 03.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.05.20 03.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.05.20 03.48	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.05.20 03.48	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.05.20 03.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.05.20 03.48	
o-Terphenyl	84-15-1	104	%	70-135	02.05.20 03.48	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH05E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-033	Date Collected:	02.01.20 16.43	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 06.56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 06.56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 06.56	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 06.56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 06.56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 06.56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 06.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.04.20 06.56	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 06.56	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH05F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-034	Date Collected:	02.01.20 16.50	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2630**	50.4	mg/kg	02.05.20 14.09		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.05.20 01.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.05.20 01.13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.05.20 01.13	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.05.20 01.13	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.05.20 01.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	02.05.20 01.13	
o-Terphenyl	84-15-1	110	%	70-135	02.05.20 01.13	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH05F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-034	Date Collected:	02.01.20 16.50	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.20 07.17	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.20 07.17	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.20 07.17	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.20 07.17	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.20 07.17	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.20 07.17	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.20 07.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 07.17	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 07.17	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH05G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-035	Date Collected:	02.01.20 16.57	Sample Depth:	33 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**564**	10.0	mg/kg	02.05.20 14.15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.20 01.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.20 01.13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.20 01.13	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.05.20 01.13	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.20 01.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.05.20 01.13	
o-Terphenyl	84-15-1	99	%	70-135	02.05.20 01.13	

Certificate of Analytical Results 651153

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH05G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651153-035	Date Collected:	02.01.20 16.57	Sample Depth:	33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 07.37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 07.37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 07.37	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 07.37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 07.37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 07.37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 07.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	02.04.20 07.37	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 07.37	

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

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

Released to Imaging: 6/9/2022 4:17:14 PM

QC Summary 651153

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115611 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7695877-1-BLK — LCS Sample Id: 7695877-1-BKS — LCSD Sample Id: 7695877-1-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	244	98	251	100	90-110	3	20	mg/kg	02.04.20 16:57	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115658 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7695878-1-BLK — LCS Sample Id: 7695878-1-BKS — LCSD Sample Id: 7695878-1-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	258	103	259	104	90-110	0	20	mg/kg	02.05.20 11:55	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115611 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651151-008 — MS Sample Id: 651151-008 S — MSD Sample Id: 651151-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	36.4	201	214	88	220	91	90-110	3	20	mg/kg	02.04.20 17:15	X

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115611 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651153-010 — MS Sample Id: 651153-010 S — MSD Sample Id: 651153-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	107	200	321	107	323	108	90-110	1	20	mg/kg	02.04.20 18:45	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115658 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651153-020 — MS Sample Id: 651153-020 S — MSD Sample Id: 651153-020 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.67	200	210	101	212	101	90-110	1	20	mg/kg	02.05.20 12:11	

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

Final 1.000

QC Summary 651153

LT Environmental, Inc.

ADU 816

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3115658 Matrix: Soil Date Prep: 02.04.20
Parent Sample Id: 651153-030 MS Sample Id: 651153-030 S MSD Sample Id: 651153-030 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6280	200	6470	95	6470	95	90-110	0	20	mg/kg	02.05.20 13:28	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115454 Matrix: Solid Date Prep: 02.03.20
MB Sample Id: 7695898-1-BLK LCS Sample Id: 7695898-1-BKS LCSD Sample Id: 7695898-1-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	1060	106	1110	111	70-135	5	35	mg/kg	02.04.20 00:37	
Diesel Range Organics (DRO)	<50.0	1000	1100	110	1120	112	70-135	2	35	mg/kg	02.04.20 00:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		109		113		70-135	%	02.04.20 00:37
o-Terphenyl	110		100		102		70-135	%	02.04.20 00:37

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115598 Matrix: Solid Date Prep: 02.04.20
MB Sample Id: 7696010-1-BLK LCS Sample Id: 7696010-1-BKS LCSD Sample Id: 7696010-1-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	1140	114	1020	102	70-135	11	35	mg/kg	02.04.20 17:23	
Diesel Range Organics (DRO)	<50.0	1000	1130	113	1050	105	70-135	7	35	mg/kg	02.04.20 17:23	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		126		111		70-135	%	02.04.20 17:23
o-Terphenyl	106		111		103		70-135	%	02.04.20 17:23

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115606 Matrix: Solid Date Prep: 02.04.20
MB Sample Id: 7696012-1-BLK LCS Sample Id: 7696012-1-BKS LCSD Sample Id: 7696012-1-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	1170	117	1030	103	70-135	13	35	mg/kg	02.04.20 21:58	
Diesel Range Organics (DRO)	<50.0	1000	1080	108	1040	104	70-135	4	35	mg/kg	02.04.20 21:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		131		112		70-135	%	02.04.20 21:58
o-Terphenyl	95		122		103		70-135	%	02.04.20 21:58

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 651153

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115620 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7696023-1-BLK — LCS Sample Id: 7696023-1-BKS — LCSD Sample Id: 7696023-1-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	1150	115	1090	109	70-135	5	35	mg/kg	02.05.20 03:29	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1080	108	70-135	9	35	mg/kg	02.05.20 03:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		120		119		70-135	%	02.05.20 03:29
o-Terphenyl	95		115		106		70-135	%	02.05.20 03:29

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115454 — Matrix: Solid — Date Prep: 02.03.20
MB Sample Id: 7695898-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.20 00:17	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115598 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7696010-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.20 17:23	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115606 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7696012-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.20 21:39	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115620 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7696023-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.20 03:10	

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 651153

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115454 | Matrix: Soil | Date Prep: 02.03.20
Parent Sample Id: 651151-001 | MS Sample Id: 651151-001 S | MSD Sample Id: 651151-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	1140	113	1220	122	70-135	7	35	mg/kg	02.04.20 00:57	
Diesel Range Organics (DRO)	<50.3	1010	1180	117	1130	113	70-135	4	35	mg/kg	02.04.20 00:57	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		129		70-135	%	02.04.20 00:57
o-Terphenyl	109		122		70-135	%	02.04.20 00:57

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115598 | Matrix: Soil | Date Prep: 02.04.20
Parent Sample Id: 651153-013 | MS Sample Id: 651153-013 S | MSD Sample Id: 651153-013 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	996	1150	115	1060	106	70-135	8	35	mg/kg	02.04.20 18:03	
Diesel Range Organics (DRO)	<49.8	996	1190	119	1040	104	70-135	13	35	mg/kg	02.04.20 18:03	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	128		114		70-135	%	02.04.20 18:03
o-Terphenyl	121		102		70-135	%	02.04.20 18:03

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115606 | Matrix: Soil | Date Prep: 02.04.20
Parent Sample Id: 651159-008 | MS Sample Id: 651159-008 S | MSD Sample Id: 651159-008 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)	<50.2	1000	1180	118	1160	116	70-135	2	35	mg/kg	02.04.20 22:18	
Diesel Range Organics (DRO)	<50.2	1000	1180	118	1180	118	70-135	0	35	mg/kg	02.04.20 22:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		128		70-135	%	02.04.20 22:18
o-Terphenyl	115		113		70-135	%	02.04.20 22:18

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 651153

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115620 | Matrix: Soil | Date Prep: 02.04.20
Parent Sample Id: 651153-033 | MS Sample Id: 651153-033 S | MSD Sample Id: 651153-033 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1110	111	1200	120	70-135	8	35	mg/kg	02.05.20 03:48	
Diesel Range Organics (DRO)	<50.1	1000	1100	110	1080	108	70-135	2	35	mg/kg	02.05.20 03:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	123		125		70-135	%	02.05.20 03:48
o-Terphenyl	108		121		70-135	%	02.05.20 03:48

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3115436 | Matrix: Solid | Date Prep: 02.03.20
MB Sample Id: 7695883-1-BLK | LCS Sample Id: 7695883-1-BKS | LCSD Sample Id: 7695883-1-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	0.120	120	0.114	114	70-130	5	35	mg/kg	02.03.20 17:20	
Toluene	<0.00200	0.100	0.110	110	0.105	105	70-130	5	35	mg/kg	02.03.20 17:20	
Ethylbenzene	<0.00200	0.100	0.107	107	0.101	101	71-129	6	35	mg/kg	02.03.20 17:20	
m,p-Xylenes	<0.00400	0.200	0.208	104	0.197	99	70-135	5	35	mg/kg	02.03.20 17:20	
o-Xylene	<0.00200	0.100	0.105	105	0.0995	100	71-133	5	35	mg/kg	02.03.20 17:20	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		110		109		70-130	%	02.03.20 17:20
4-Bromofluorobenzene	94		93		91		70-130	%	02.03.20 17:20

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3115507 | Matrix: Solid | Date Prep: 02.03.20
MB Sample Id: 7695884-1-BLK | LCS Sample Id: 7695884-1-BKS | LCSD Sample Id: 7695884-1-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	0.116	116	0.103	103	70-130	12	35	mg/kg	02.04.20 03:32	
Toluene	<0.00200	0.100	0.107	107	0.0936	94	70-130	13	35	mg/kg	02.04.20 03:32	
Ethylbenzene	<0.00200	0.100	0.103	103	0.0888	89	71-129	15	35	mg/kg	02.04.20 03:32	
m,p-Xylenes	<0.00400	0.200	0.202	101	0.174	87	70-135	15	35	mg/kg	02.04.20 03:32	
o-Xylene	<0.00200	0.100	0.103	103	0.0888	89	71-133	15	35	mg/kg	02.04.20 03:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		109		107		70-130	%	02.04.20 03:32
4-Bromofluorobenzene	95		91		93		70-130	%	02.04.20 03:32

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 651153

LT Environmental, Inc.

ADU 816

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3115506 — Matrix: Solid — Date Prep: 02.03.20
MB Sample Id: 7695881-1-BLK — LCS Sample Id: 7695881-1-BKS — LCSD Sample Id: 7695881-1-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	0.0989	99	0.0991	99	70-130	0	35	mg/kg	02.04.20 02:36	
Toluene	<0.00200	0.100	0.0922	92	0.0954	95	70-130	3	35	mg/kg	02.04.20 02:36	
Ethylbenzene	<0.00200	0.100	0.0854	85	0.0917	92	71-129	7	35	mg/kg	02.04.20 02:36	
m,p-Xylenes	<0.00400	0.200	0.174	87	0.188	94	70-135	8	35	mg/kg	02.04.20 02:36	
o-Xylene	<0.00200	0.100	0.0884	88	0.0948	95	71-133	7	35	mg/kg	02.04.20 02:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		105		104		70-130	%	02.04.20 02:36
4-Bromofluorobenzene	98		97		96		70-130	%	02.04.20 02:36

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3115436 — Matrix: Soil — Date Prep: 02.03.20
Parent Sample Id: 651144-021 — MS Sample Id: 651144-021 S — MSD Sample Id: 651144-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0782	79	0.0948	95	70-130	19	35	mg/kg	02.03.20 18:00	
Toluene	<0.00198	0.0992	0.0739	74	0.0818	82	70-130	10	35	mg/kg	02.03.20 18:00	
Ethylbenzene	<0.00198	0.0992	0.0811	82	0.0743	75	71-129	9	35	mg/kg	02.03.20 18:00	
m,p-Xylenes	<0.00397	0.198	0.177	89	0.167	84	70-135	6	35	mg/kg	02.03.20 18:00	
o-Xylene	<0.00198	0.0992	0.0788	79	0.0884	89	71-133	11	35	mg/kg	02.03.20 18:00	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		109		70-130	%	02.03.20 18:00
4-Bromofluorobenzene	97		92		70-130	%	02.03.20 18:00

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3115507 — Matrix: Soil — Date Prep: 02.03.20
Parent Sample Id: 651153-028 — MS Sample Id: 651153-028 S — MSD Sample Id: 651153-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0916	92	0.113	114	70-130	21	35	mg/kg	02.04.20 04:13	
Toluene	<0.00199	0.0996	0.0879	88	0.104	105	70-130	17	35	mg/kg	02.04.20 04:13	
Ethylbenzene	<0.00199	0.0996	0.0887	89	0.101	102	71-129	13	35	mg/kg	02.04.20 04:13	
m,p-Xylenes	<0.00398	0.199	0.177	89	0.197	99	70-135	11	35	mg/kg	02.04.20 04:13	
o-Xylene	<0.00199	0.0996	0.0893	90	0.0986	99	71-133	10	35	mg/kg	02.04.20 04:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		110		70-130	%	02.04.20 04:13
4-Bromofluorobenzene	96		96		70-130	%	02.04.20 04:13

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 651153

LT Environmental, Inc.

ADU 816

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

Seq Number: 3115506 Matrix: Soil Date Prep: 02.03.20

Parent Sample Id: 651153-008 MS Sample Id: 651153-008 S MSD Sample Id: 651153-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.101	101	0.0723	72	70-130	33	35	mg/kg	02.04.20 03:17	
Toluene	<0.00200	0.0998	0.0953	95	0.0739	74	70-130	25	35	mg/kg	02.04.20 03:17	
Ethylbenzene	<0.00200	0.0998	0.0906	91	0.0715	72	71-129	24	35	mg/kg	02.04.20 03:17	
m,p-Xylenes	<0.00399	0.200	0.185	93	0.149	75	70-135	22	35	mg/kg	02.04.20 03:17	
o-Xylene	<0.00200	0.0998	0.0919	92	0.0733	73	71-133	23	35	mg/kg	02.04.20 03:17	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		100		70-130	%	02.04.20 03:17
4-Bromofluorobenzene	99		99		70-130	%	02.04.20 03:17

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	

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Chain of Custody

Work Order No: 165153

XENCO LABORATORIES
Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:		Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	0.6	Thermometer ID	
Received Intact:	Yes No		T-NM-037
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	35

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
BH02	S	2/1/20	1058	3'	1	X	X	X
BH02A			1100	~~FS 5~~ 7'				
BH02B			1103	~~FS 10~~ 12'				
BH02C			1108	~~FS 15~~ 17'				
BH02D			1112	~~FS 20~~ 22'				
BH02E			1120	~~27~~ 27'				
BH02F			1122	32'				
BH02G			1131	33'				
BH02H			1140	38'				
BH03			1210	1'				

Work Order Notes

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

Sample Comments

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Fatima		2/3/20 14:47			
3				4		
5				6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
Final 1.000
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Chain of Custody

Work Order No: 651153

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

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

Work Order Comments

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

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:		Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	
Received Intact:	Yes No	Thermometer ID	Soupe	
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)
BH03A	S	2/1/20	1213	4'	1	X	X	X
BH03B			1220	7'				
BH03C			1230	10'				
BH03D			1233	15'				
BH03E			1240	20'				
BH03F			1242	25'				
BH03G			1245	26'				
BH03H			1250	31'				
BH03I			1255	33'				
BH04	↓	↓	1430	3'	↓	↓	↓	↓

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Fatima		2/3/20 14:47	2		
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
Final 1.000
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Chain of Custody

Work Order No: 451153

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, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

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

Work Order Comments

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

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:		Rush:	
Sampler's Name:	Fatima Smith	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 8021)	Chloride (EPA 300.0)
BH04A	S	2/1/20	1435	5'	1	X	X	X
BH04B			1440	10'				
BH04C			1445	15'				
BH04D			1450	20'				
BH04E			1456	25'				
BH04F			1500	30'				
BH04G			1505	33'				
BH05			1615	3'				
BH05A			1620	5'				
BH05B			1631	10'				

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Fatima		2/3/20 14:47	2		
3				4		
5				6		

Revised Date101419 Rev. 2019.1

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Chain of Custody

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, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: 651153

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

Work Order Comments

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

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:		Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

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

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)
BH05C	S	2/1/20	1635	15'	1	X	X	X
BH05D			1637	20'				
BH05E			1643	25'				
BH05F			1650	30'				
BH05G	↓	↓	1657	33'	↓	↓	↓	↓

Work Order Notes

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

Sample Comments

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

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

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/3/20 14:47	2		
3				4		
5				6		

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
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Released to Imaging: 6/9/2022 4:17:14 PM

Analytical Report 651158

for

LT Environmental, Inc.

Project Manager: Dan Moir

ADU 816

012919221

06-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)

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06-FEB-20

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

Reference: XENCO Report No(s): **651158**
ADU 816
Project Address: Eddy

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 651158. 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. 651158 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Assistant

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

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

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Sample Cross Reference 651158

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH07	S	02-02-20 14:00	1 ft	651158-001
BH07A	S	02-02-20 14:02	5 ft	651158-002
BH07B	S	02-02-20 14:03	10 ft	651158-003
BH07C	S	02-02-20 14:05	15 ft	651158-004
BH07D	S	02-02-20 14:06	20 ft	651158-005
BH07E	S	02-02-20 14:07	25 ft	651158-006
BH07F	S	02-02-20 14:08	30 ft	651158-007
BH07G	S	02-02-20 14:09	33 ft	651158-008
BH07H	S	02-02-20 14:11	34 ft	651158-009
BH07I	S	02-02-20 14:15	35 ft	651158-010

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: ADU 816

Project ID: *012919221*
Work Order Number(s): *651158*

Report Date: *06-FEB-20*
Date Received: *02/03/2020*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3115507 BTEX by EPA 8021B

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

Certificate of Analysis Summary 651158

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location: Eddy

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651158-001		651158-002		651158-003		651158-004		651158-005		651158-006	
	Field Id:	BH07		BH07A		BH07B		BH07C		BH07D		BH07E	
	Depth:	1- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-02-20 14:00		Feb-02-20 14:02		Feb-02-20 14:03		Feb-02-20 14:05		Feb-02-20 14:06		Feb-02-20 14:07	
BTEX by EPA 8021B	***Extracted:***	Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41	
	Analyzed:	Feb-04-20 07:57		Feb-04-20 08:18		Feb-04-20 09:19		Feb-04-20 09:39		Feb-04-20 10:00		Feb-04-20 10:20	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00402	0.00402	<0.00400	0.00400	<0.00399	0.00399	<0.00399	0.00399	<0.00399	0.00399	<0.00399	0.00399
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 10:23		Feb-04-20 13:00		Feb-04-20 13:00	
	Analyzed:	Feb-05-20 14:21		Feb-05-20 14:27		Feb-05-20 14:32		Feb-05-20 14:38		Feb-04-20 16:02		Feb-04-20 16:08	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1670	49.9	2690	50.1	8310	100	5850	50.0	824	9.98	816	10.1
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 17:30		Feb-04-20 17:30		Feb-04-20 17:30		Feb-04-20 17:35		Feb-04-20 17:35		Feb-04-20 17:35	
	Analyzed:	Feb-05-20 01:33		Feb-05-20 01:33		Feb-05-20 01:52		Feb-05-20 04:08		Feb-05-20 04:27		Feb-05-20 04:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.1	50.1	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0	<49.9	49.9
Total GRO-DRO		<50.1	50.1	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0	<49.9	49.9
Total TPH		<50.1	50.1	<50.1	50.1	<50.2	50.2	<49.8	49.8	<50.0	50.0	<49.9	49.9

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

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

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 651158

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location: Eddy

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651158-007		651158-008		651158-009		651158-010					
	Field Id:	BH07F		BH07G		BH07H		BH07I					
	Depth:	30- ft		33- ft		34- ft		35- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	Feb-02-20 14:08		Feb-02-20 14:09		Feb-02-20 14:11		Feb-02-20 14:15					
BTEX by EPA 8021B	***Extracted:***	Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41		Feb-03-20 16:41					
	Analyzed:	Feb-04-20 10:41		Feb-04-20 11:01		Feb-04-20 11:21		Feb-04-20 11:42					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201				
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201				
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201				
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00403	0.00403	<0.00402	0.00402				
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201				
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201				
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201				
Chloride by EPA 300	***Extracted:***	Feb-04-20 13:00		Feb-04-20 13:00		Feb-04-20 13:00		Feb-04-20 13:00					
	Analyzed:	Feb-04-20 16:14		Feb-04-20 16:21		Feb-04-20 16:27		Feb-04-20 16:33					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		267	9.98	384	9.92	486	10.1	321	9.94				
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 17:35		Feb-04-20 17:35		Feb-04-20 17:35		Feb-04-20 17:35					
	Analyzed:	Feb-05-20 04:46		Feb-05-20 04:46		Feb-05-20 05:06		Feb-05-20 05:06					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.2	50.2	<50.3	50.3	<49.8	49.8				
Diesel Range Organics (DRO)		<50.0	50.0	<50.2	50.2	<50.3	50.3	<49.8	49.8				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.2	50.2	<50.3	50.3	<49.8	49.8				
Total GRO-DRO		<50.0	50.0	<50.2	50.2	<50.3	50.3	<49.8	49.8				
Total TPH		<50.0	50.0	<50.2	50.2	<50.3	50.3	<49.8	49.8				

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

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

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analytical Results 651158

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-001	Date Collected:	02.02.20 14.00	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1670**	49.9	mg/kg	02.05.20 14.21		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.05.20 01.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.05.20 01.33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.05.20 01.33	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.05.20 01.33	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.05.20 01.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.05.20 01.33	
o-Terphenyl	84-15-1	102	%	70-135	02.05.20 01.33	

Certificate of Analytical Results 651158

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-001	Date Collected:	02.02.20 14.00	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 07.57	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 07.57	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 07.57	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.20 07.57	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 07.57	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 07.57	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 07.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	02.04.20 07.57	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 07.57	

Certificate of Analytical Results 651158

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-002	Date Collected:	02.02.20 14.02	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2690**	50.1	mg/kg	02.05.20 14.27		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.05.20 01.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.05.20 01.33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.05.20 01.33	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.05.20 01.33	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.05.20 01.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	02.05.20 01.33	
o-Terphenyl	84-15-1	99	%	70-135	02.05.20 01.33	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-002	Date Collected:	02.02.20 14.02	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 08.18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 08.18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 08.18	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 08.18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 08.18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 08.18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 08.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 08.18	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 08.18	

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Sample Id:	**BH07B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-003	Date Collected:	02.02.20 14.03	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8310**	100	mg/kg	02.05.20 14.32		10

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.05.20 01.52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.05.20 01.52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.05.20 01.52	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.05.20 01.52	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.05.20 01.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	02.05.20 01.52	
o-Terphenyl	84-15-1	112	%	70-135	02.05.20 01.52	

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LT Environmental, Inc., Arvada, CO

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Sample Id:	**BH07B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-003	Date Collected:	02.02.20 14.03	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 09.19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 09.19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 09.19	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 09.19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 09.19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 09.19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 09.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 09.19	
1,4-Difluorobenzene	540-36-3	108	%	70-130	02.04.20 09.19	

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Sample Id:	**BH07C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-004	Date Collected:	02.02.20 14.05	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 10.23	Basis:	Wet Weight
Seq Number:	3115658				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5850**	50.0	mg/kg	02.05.20 14.38		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.05.20 04.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.05.20 04.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.05.20 04.08	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.05.20 04.08	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.05.20 04.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.05.20 04.08	
o-Terphenyl	84-15-1	96	%	70-135	02.05.20 04.08	

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Sample Id:	**BH07C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-004	Date Collected:	02.02.20 14.05	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 09.39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 09.39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 09.39	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 09.39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 09.39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 09.39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 09.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 09.39	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 09.39	

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Sample Id:	**BH07D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-005	Date Collected:	02.02.20 14.06	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 13.00	Basis:	Wet Weight
Seq Number:	3115585				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**824**	9.98	mg/kg	02.04.20 16.02		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.20 04.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.20 04.27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.20 04.27	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.05.20 04.27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.20 04.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.05.20 04.27	
o-Terphenyl	84-15-1	101	%	70-135	02.05.20 04.27	

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Sample Id:	**BH07D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-005	Date Collected:	02.02.20 14.06	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 10.00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 10.00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 10.00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 10.00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 10.00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 10.00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 10.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 10.00	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 10.00	

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Sample Id:	**BH07E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-006	Date Collected:	02.02.20 14.07	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 13.00	Basis:	Wet Weight
Seq Number:	3115585				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**816**	10.1	mg/kg	02.04.20 16.08		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.05.20 04.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.05.20 04.27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.05.20 04.27	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	02.05.20 04.27	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.05.20 04.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.05.20 04.27	
o-Terphenyl	84-15-1	96	%	70-135	02.05.20 04.27	

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Sample Id:	**BH07E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-006	Date Collected:	02.02.20 14.07	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 10.20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 10.20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 10.20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 10.20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 10.20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 10.20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 10.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.20 10.20	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 10.20	

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Sample Id:	**BH07F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-007	Date Collected:	02.02.20 14.08	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 13.00	Basis:	Wet Weight
Seq Number:	3115585				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**267**	9.98	mg/kg	02.04.20 16.14		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.20 04.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.20 04.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.20 04.46	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.05.20 04.46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.20 04.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.05.20 04.46	
o-Terphenyl	84-15-1	102	%	70-135	02.05.20 04.46	

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Sample Id:	**BH07F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-007	Date Collected:	02.02.20 14.08	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.04.20 10.41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.04.20 10.41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.04.20 10.41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.04.20 10.41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.04.20 10.41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.04.20 10.41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.04.20 10.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 10.41	
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 10.41	

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ADU 816

Sample Id:	**BH07G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-008	Date Collected:	02.02.20 14.09	Sample Depth:	33 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 13.00	Basis:	Wet Weight
Seq Number:	3115585				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**384**	9.92	mg/kg	02.04.20 16.21		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.05.20 04.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.05.20 04.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.05.20 04.46	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.05.20 04.46	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.05.20 04.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	02.05.20 04.46	
o-Terphenyl	84-15-1	95	%	70-135	02.05.20 04.46	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-008	Date Collected:	02.02.20 14.09	Sample Depth:	33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 11.01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 11.01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 11.01	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 11.01	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 11.01	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 11.01	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 11.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.04.20 11.01	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 11.01	

Certificate of Analytical Results 651158

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-009	Date Collected:	02.02.20 14.11	Sample Depth:	34 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 13.00	Basis:	Wet Weight
Seq Number:	3115585				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**486**	10.1	mg/kg	02.04.20 16.27		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.05.20 05.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.05.20 05.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.05.20 05.06	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	02.05.20 05.06	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.05.20 05.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.05.20 05.06	
o-Terphenyl	84-15-1	100	%	70-135	02.05.20 05.06	

Certificate of Analytical Results 651158

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-009	Date Collected:	02.02.20 14.11	Sample Depth:	34 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 11.21	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 11.21	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 11.21	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.20 11.21	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 11.21	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 11.21	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 11.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	02.04.20 11.21	
4-Bromofluorobenzene	460-00-4	95	%	70-130	02.04.20 11.21	

Certificate of Analytical Results 651158

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07I**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-010	Date Collected:	02.02.20 14.15	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 13.00	Basis:	Wet Weight
Seq Number:	3115585				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**321**	9.94	mg/kg	02.04.20 16.33		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.05.20 05.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.05.20 05.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.05.20 05.06	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.05.20 05.06	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.05.20 05.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.05.20 05.06	
o-Terphenyl	84-15-1	95	%	70-135	02.05.20 05.06	

Certificate of Analytical Results 651158

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH07I**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651158-010	Date Collected:	02.02.20 14.15	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.03.20 16.41	Basis:	Wet Weight
Seq Number:	3115507				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 11.42	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 11.42	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 11.42	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.20 11.42	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 11.42	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 11.42	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 11.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	02.04.20 11.42	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 11.42	

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

Released to Imaging: 6/9/2022 4:17:14 PM

QC Summary 651158

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115658 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7695878-1-BLK — LCS Sample Id: 7695878-1-BKS — LCSD Sample Id: 7695878-1-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	258	103	259	104	90-110	0	20	mg/kg	02.05.20 11:55	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115585 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7695926-1-BLK — LCS Sample Id: 7695926-1-BKS — LCSD Sample Id: 7695926-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	256	102	255	102	90-110	0	20	mg/kg	02.04.20 13:42	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115658 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651153-020 — MS Sample Id: 651153-020 S — MSD Sample Id: 651153-020 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.67	200	210	101	212	101	90-110	1	20	mg/kg	02.05.20 12:11	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115658 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651153-030 — MS Sample Id: 651153-030 S — MSD Sample Id: 651153-030 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6280	200	6470	95	6470	95	90-110	0	20	mg/kg	02.05.20 13:28	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115585 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651256-001 — MS Sample Id: 651256-001 S — MSD Sample Id: 651256-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	10700	200	10900	100	10900	100	90-110	0	20	mg/kg	02.04.20 14:01	

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 651158

LT Environmental, Inc.

ADU 816

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3115585 Matrix: Soil Date Prep: 02.04.20
Parent Sample Id: 651256-011 MS Sample Id: 651256-011 S MSD Sample Id: 651256-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1230	200	1410	90	1400	85	90-110	1	20	mg/kg	02.04.20 15:26	X

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115606 Matrix: Solid Date Prep: 02.04.20
MB Sample Id: 7696012-1-BLK LCS Sample Id: 7696012-1-BKS LCSD Sample Id: 7696012-1-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	1170	117	1030	103	70-135	13	35	mg/kg	02.04.20 21:58	
Diesel Range Organics (DRO)	<50.0	1000	1080	108	1040	104	70-135	4	35	mg/kg	02.04.20 21:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		131		112		70-135	%	02.04.20 21:58
o-Terphenyl	95		122		103		70-135	%	02.04.20 21:58

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115620 Matrix: Solid Date Prep: 02.04.20
MB Sample Id: 7696023-1-BLK LCS Sample Id: 7696023-1-BKS LCSD Sample Id: 7696023-1-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	1150	115	1090	109	70-135	5	35	mg/kg	02.05.20 03:29	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1080	108	70-135	9	35	mg/kg	02.05.20 03:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		120		119		70-135	%	02.05.20 03:29
o-Terphenyl	95		115		106		70-135	%	02.05.20 03:29

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115606 Matrix: Solid Date Prep: 02.04.20
MB Sample Id: 7696012-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.20 21:39	

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 651158

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115620 | Matrix: Solid | Date Prep: 02.04.20
MB Sample Id: 7696023-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.20 03:10	

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115606 | Matrix: Soil | Date Prep: 02.04.20
Parent Sample Id: 651159-008 | MS Sample Id: 651159-008 S | MSD Sample Id: 651159-008 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)	<50.2	1000	1180	118	1160	116	70-135	2	35	mg/kg	02.04.20 22:18	
Diesel Range Organics (DRO)	<50.2	1000	1180	118	1180	118	70-135	0	35	mg/kg	02.04.20 22:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		128		70-135	%	02.04.20 22:18
o-Terphenyl	115		113		70-135	%	02.04.20 22:18

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115620 | Matrix: Soil | Date Prep: 02.04.20
Parent Sample Id: 651153-033 | MS Sample Id: 651153-033 S | MSD Sample Id: 651153-033 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1110	111	1200	120	70-135	8	35	mg/kg	02.05.20 03:48	
Diesel Range Organics (DRO)	<50.1	1000	1100	110	1080	108	70-135	2	35	mg/kg	02.05.20 03:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	123		125		70-135	%	02.05.20 03:48
o-Terphenyl	108		121		70-135	%	02.05.20 03:48

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 651158

LT Environmental, Inc.

ADU 816

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

Seq Number: 3115507 Matrix: Solid Date Prep: 02.03.20

MB Sample Id: 7695884-1-BLK LCS Sample Id: 7695884-1-BKS LCSD Sample Id: 7695884-1-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	0.116	116	0.103	103	70-130	12	35	mg/kg	02.04.20 03:32	
Toluene	<0.00200	0.100	0.107	107	0.0936	94	70-130	13	35	mg/kg	02.04.20 03:32	
Ethylbenzene	<0.00200	0.100	0.103	103	0.0888	89	71-129	15	35	mg/kg	02.04.20 03:32	
m,p-Xylenes	<0.00400	0.200	0.202	101	0.174	87	70-135	15	35	mg/kg	02.04.20 03:32	
o-Xylene	<0.00200	0.100	0.103	103	0.0888	89	71-133	15	35	mg/kg	02.04.20 03:32	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		109		107		70-130	%	02.04.20 03:32
4-Bromofluorobenzene	95		91		93		70-130	%	02.04.20 03:32

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

Seq Number: 3115507 Matrix: Soil Date Prep: 02.03.20

Parent Sample Id: 651153-028 MS Sample Id: 651153-028 S MSD Sample Id: 651153-028 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0916	92	0.113	114	70-130	21	35	mg/kg	02.04.20 04:13	
Toluene	<0.00199	0.0996	0.0879	88	0.104	105	70-130	17	35	mg/kg	02.04.20 04:13	
Ethylbenzene	<0.00199	0.0996	0.0887	89	0.101	102	71-129	13	35	mg/kg	02.04.20 04:13	
m,p-Xylenes	<0.00398	0.199	0.177	89	0.197	99	70-135	11	35	mg/kg	02.04.20 04:13	
o-Xylene	<0.00199	0.0996	0.0893	90	0.0986	99	71-133	10	35	mg/kg	02.04.20 04:13	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		110		70-130	%	02.04.20 04:13
4-Bromofluorobenzene	96		96		70-130	%	02.04.20 04:13

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

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Chain of Custody

Work Order No: 651158

XENCO LABORATORIES

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

www.xenco.com Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	wmather@ltenv.com, dmoir@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:	ADU 816	Turn Around	
Project Number:	01291921	Routine	☑
P.O. Number:	Eddy	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	0.4	Thermometer ID	T-NM-007	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:	10	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)	Sample Comments
BH07	s	2/2/2020	14:00	1'	1	x	x	x	discrete
BH07A	s	2/2/2020	14:02	5'	1	x	x	x	discrete
BH07B	s	2/2/2020	14:03	10'	1	x	x	x	discrete
BH07C	s	2/2/2020	14:05	15'	1	x	x	x	discrete
BH07D	s	2/2/2020	14:06	20'	1	x	x	x	discrete
BH07E	s	2/2/2020	14:07	25'	1	x	x	x	discrete
BH07F	s	2/2/2020	14:08	30'	1	x	x	x	discrete
BH07G	s	2/2/2020	14:09	33'	1	x	x	x	discrete
BH07H	s	2/2/2020	14:11	34'	1	x	x	x	discrete
BH07I	s	2/2/2020	14:15	35'	1	x	x	x	discrete

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2/3/20 14:47	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
Final 1.000
Page 32 of 32

Analytical Report 651159

for

LT Environmental, Inc.

Project Manager: Dan Moir

ADU 816

012919221

06-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)

Released to Imaging: 6/9/2022 4:17:14 PM

06-FEB-20

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

Reference: XENCO Report No(s): **651159**
ADU 816
Project Address: Eddy

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 651159. 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. 651159 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Assistant

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

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Sample Cross Reference 651159

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH01	S	02-02-20 13:30	1 ft	651159-001
BH01A	S	02-02-20 13:32	5 ft	651159-002
BH01B	S	02-02-20 13:33	10 ft	651159-003
BH01C	S	02-02-20 13:34	15 ft	651159-004
BH01D	S	02-02-20 13:35	20 ft	651159-005
BH01E	S	02-02-20 13:37	25 ft	651159-006
BH01F	S	02-02-20 13:38	30 ft	651159-007
BH01G	S	02-02-20 13:39	33 ft	651159-008
BH01H	S	02-02-20 08:30	34 ft	651159-009
BH01I	S	02-02-20 08:30	35 ft	651159-010
BH06	S	02-02-20 13:45	1 ft	651159-011
BH06A	S	02-02-20 13:46	5 ft	651159-012
BH06B	S	02-02-20 13:47	10 ft	651159-013
BH06C	S	02-02-20 13:49	15 ft	651159-014
BH06D	S	02-02-20 13:51	20 ft	651159-015
BH06E	S	02-02-20 13:51	25 ft	651159-016
BH06F	S	02-02-20 13:52	30 ft	651159-017
BH06G	S	02-02-20 13:54	33 ft	651159-018
BH06H	S	02-02-20 13:55	34 ft	651159-019
BH06I	S	02-02-20 13:58	35 ft	651159-020

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: ADU 816

Project ID: *012919221*
Work Order Number(s): *651159*

Report Date: *06-FEB-20*
Date Received: *02/03/2020*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3115625 BTEX by EPA 8021B

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

Certificate of Analysis Summary 651159

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location: Eddy

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651159-001		651159-002		651159-003		651159-004		651159-005		651159-006	
	Field Id:	BH01		BH01A		BH01B		BH01C		BH01D		BH01E	
	Depth:	1- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-02-20 13:30		Feb-02-20 13:32		Feb-02-20 13:33		Feb-02-20 13:34		Feb-02-20 13:35		Feb-02-20 13:37	
BTEX by EPA 8021B	***Extracted:***	Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00	
	Analyzed:	Feb-04-20 14:57		Feb-04-20 15:18		Feb-04-20 15:38		Feb-04-20 15:59		Feb-04-20 16:19		Feb-04-20 16:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00404	0.00404	<0.00403	0.00403	<0.00404	0.00404	<0.00401	0.00401	<0.00400	0.00400	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15	
	Analyzed:	Feb-05-20 09:35		Feb-05-20 09:40		Feb-05-20 09:46		Feb-05-20 10:02		Feb-05-20 10:07		Feb-05-20 10:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1300	50.4	1150	50.1	1130	49.9	1240	49.7	6520	50.4	3940	49.6
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 17:35		Feb-04-20 17:35		Feb-04-20 17:35		Feb-04-20 17:35		Feb-04-20 17:35		Feb-04-20 17:35	
	Analyzed:	Feb-05-20 05:25		Feb-05-20 05:25		Feb-05-20 05:44		Feb-05-20 06:03		Feb-05-20 06:03		Feb-05-20 06:23	
	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	<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		<50.1	50.1	<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3
Total GRO-DRO		<50.1	50.1	<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3
Total TPH		<50.1	50.1	<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<50.3	50.3

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

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

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 651159

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location: Eddy

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651159-007		651159-008		651159-009		651159-010		651159-011		651159-012	
	Field Id:	BH01F		BH01G		BH01H		BH01I		BH06		BH06A	
	Depth:	30- ft		33- ft		34- ft		35- ft		1- ft		5- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-02-20 13:38		Feb-02-20 13:39		Feb-02-20 08:30		Feb-02-20 08:30		Feb-02-20 13:45		Feb-02-20 13:46	
BTEX by EPA 8021B	*Extracted:*	Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00	
	Analyzed:	Feb-04-20 17:00		Feb-04-20 17:20		Feb-04-20 19:03		Feb-04-20 18:01		Feb-04-20 19:23		Feb-04-20 19:44	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Toluene		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Ethylbenzene		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
m,p-Xylenes		<0.00402	0.00402	<0.00403	0.00403	<0.00404	0.00404	<0.00396	0.00396	<0.00399	0.00399	<0.00403	0.00403
o-Xylene		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Total Xylenes		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Total BTEX		<0.00201	0.00201	<0.00202	0.00202	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00202	0.00202
Chloride by EPA 300	*Extracted:*	Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15	
	Analyzed:	Feb-05-20 10:18		Feb-05-20 10:23		Feb-05-20 10:39		Feb-05-20 10:45		Feb-05-20 10:50		Feb-05-20 11:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		4070	49.4	1820	50.4	6640	50.4	6160	49.9	196	10.0	1020	50.4
TPH by SW8015 Mod	*Extracted:*	Feb-04-20 17:35		Feb-04-20 17:30		Feb-04-20 12:00		Feb-04-20 12:00		Feb-04-20 12:00		Feb-04-20 12:00	
	Analyzed:	Feb-05-20 06:23		Feb-04-20 22:18		Feb-04-20 16:23		Feb-04-20 16:23		Feb-04-20 16:43		Feb-04-20 16:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.3	50.3
Diesel Range Organics (DRO)		<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.3	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.3	50.3
Total GRO-DRO		<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.3	50.3
Total TPH		<50.0	50.0	<50.3	50.3	<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.3	50.3

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

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analysis Summary 651159

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location: Eddy

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	651159-013		651159-014		651159-015		651159-016		651159-017		651159-018	
	Field Id:	BH06B		BH06C		BH06D		BH06E		BH06F		BH06G	
	Depth:	10- ft		15- ft		20- ft		25- ft		30- ft		33- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Feb-02-20 13:47		Feb-02-20 13:49		Feb-02-20 13:51		Feb-02-20 13:51		Feb-02-20 13:52		Feb-02-20 13:54	
BTEX by EPA 8021B	***Extracted:***	Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00		Feb-04-20 11:00	
	Analyzed:	Feb-04-20 20:04		Feb-04-20 20:24		Feb-04-20 20:45		Feb-04-20 21:05		Feb-04-20 21:25		Feb-04-20 21:46	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00402	0.00402	<0.00400	0.00400	<0.00402	0.00402	<0.00400	0.00400	<0.00404	0.00404	<0.00400	0.00400
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-04-20 18:15		Feb-05-20 10:08	
	Analyzed:	Feb-05-20 11:12		Feb-05-20 11:17		Feb-05-20 11:23		Feb-05-20 11:28		Feb-05-20 11:33		Feb-05-20 15:13	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1640	49.7	4780	49.9	6510	50.0	6580	50.4	874	50.1	995	49.9
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 12:00		Feb-04-20 17:30		Feb-04-20 17:30		Feb-04-20 17:30		Feb-04-20 17:30		Feb-04-20 17:30	
	Analyzed:	Feb-04-20 17:03		Feb-04-20 22:38		Feb-04-20 22:57		Feb-04-20 22:57		Feb-04-20 23:17		Feb-04-20 23:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.1	50.1	<50.2	50.2
Diesel Range Organics (DRO)		<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.1	50.1	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.1	50.1	<50.2	50.2
Total GRO-DRO		<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.1	50.1	<50.2	50.2
Total TPH		<50.1	50.1	<50.0	50.0	<49.9	49.9	<50.2	50.2	<50.1	50.1	<50.2	50.2

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

Jessica Kramer
Project Assistant

Certificate of Analysis Summary 651159

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location: Eddy

Date Received in Lab: Mon Feb-03-20 02:47 pm
Report Date: 06-FEB-20
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	651159-019		651159-020					
	Field Id:	BH06H		BH06I					
	Depth:	34- ft		35- ft					
	Matrix:	SOIL		SOIL					
	Sampled:	Feb-02-20 13:55		Feb-02-20 13:58					
BTEX by EPA 8021B	***Extracted:***	Feb-04-20 11:00		Feb-04-20 11:00					
	Analyzed:	Feb-04-20 22:06		Feb-04-20 22:27					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Benzene		<0.00200	0.00200	<0.00200	0.00200				
Toluene		<0.00200	0.00200	<0.00200	0.00200				
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200				
m,p-Xylenes		<0.00401	0.00401	<0.00401	0.00401				
o-Xylene		<0.00200	0.00200	<0.00200	0.00200				
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200				
Total BTEX		<0.00200	0.00200	<0.00200	0.00200				
Chloride by EPA 300	***Extracted:***	Feb-05-20 10:08		Feb-05-20 10:08					
	Analyzed:	Feb-05-20 15:37		Feb-05-20 15:43					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Chloride		1110	49.9	498	9.92				
TPH by SW8015 Mod	***Extracted:***	Feb-04-20 17:30		Feb-04-20 17:30					
	Analyzed:	Feb-04-20 23:36		Feb-04-20 23:36					
	Units/RL:	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9				
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9				
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9				
Total GRO-DRO		<49.9	49.9	<49.9	49.9				
Total TPH		<49.9	49.9	<49.9	49.9				

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

Jessica Kramer
Project Assistant

Final 1.000

Certificate of Analytical Results 651159

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-001	Date Collected:	02.02.20 13.30	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1300**	50.4	mg/kg	02.05.20 09.35		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.05.20 05.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.05.20 05.25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.05.20 05.25	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.05.20 05.25	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.05.20 05.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.05.20 05.25	
o-Terphenyl	84-15-1	103	%	70-135	02.05.20 05.25	

Certificate of Analytical Results 651159

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-001	Date Collected:	02.02.20 13.30	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.20 14.57	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.20 14.57	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.20 14.57	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.20 14.57	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.20 14.57	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.20 14.57	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.20 14.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 14.57	
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.20 14.57	

Certificate of Analytical Results 651159

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **BH01A** Matrix: Soil Date Received:02.03.20 14.47

Lab Sample Id: 651159-002 Date Collected: 02.02.20 13.32 Sample Depth: 5 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 02.04.20 18.15 Basis: Wet Weight

Seq Number: 3115603

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1150**	50.1	mg/kg	02.05.20 09.40		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 02.04.20 17.35 Basis: Wet Weight

Seq Number: 3115620

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	02.05.20 05.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	02.05.20 05.25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	02.05.20 05.25	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	02.05.20 05.25	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	02.05.20 05.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.05.20 05.25	
o-Terphenyl	84-15-1	97	%	70-135	02.05.20 05.25	

Certificate of Analytical Results 651159

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-002	Date Collected:	02.02.20 13.32	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.20 15.18	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.20 15.18	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.20 15.18	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.20 15.18	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.20 15.18	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.20 15.18	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.20 15.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 15.18	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 15.18	

Certificate of Analytical Results 651159

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-003	Date Collected:	02.02.20 13.33	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1130**	49.9	mg/kg	02.05.20 09.46		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.05.20 05.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.05.20 05.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.05.20 05.44	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.05.20 05.44	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.05.20 05.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.05.20 05.44	
o-Terphenyl	84-15-1	96	%	70-135	02.05.20 05.44	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-003	Date Collected:	02.02.20 13.33	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.20 15.38	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.20 15.38	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.20 15.38	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.20 15.38	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.20 15.38	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.20 15.38	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.20 15.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.20 15.38	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 15.38	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-004	Date Collected:	02.02.20 13.34	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1240**	49.7	mg/kg	02.05.20 10.02		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.05.20 06.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.05.20 06.03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.05.20 06.03	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.05.20 06.03	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.05.20 06.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.05.20 06.03	
o-Terphenyl	84-15-1	103	%	70-135	02.05.20 06.03	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-004	Date Collected:	02.02.20 13.34	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 15.59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 15.59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 15.59	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.20 15.59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 15.59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 15.59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 15.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 15.59	
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.04.20 15.59	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-005	Date Collected:	02.02.20 13.35	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6520**	50.4	mg/kg	02.05.20 10.07		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.20 06.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.20 06.03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.20 06.03	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.05.20 06.03	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.20 06.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.05.20 06.03	
o-Terphenyl	84-15-1	96	%	70-135	02.05.20 06.03	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-005	Date Collected:	02.02.20 13.35	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 16.19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 16.19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 16.19	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 16.19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 16.19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 16.19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 16.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.04.20 16.19	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 16.19	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-006	Date Collected:	02.02.20 13.37	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3940**	49.6	mg/kg	02.05.20 10.13		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.05.20 06.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.05.20 06.23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.05.20 06.23	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	02.05.20 06.23	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.05.20 06.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.05.20 06.23	
o-Terphenyl	84-15-1	100	%	70-135	02.05.20 06.23	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-006	Date Collected:	02.02.20 13.37	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 16.40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 16.40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 16.40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 16.40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 16.40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 16.40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 16.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 16.40	
1,4-Difluorobenzene	540-36-3	105	%	70-130	02.04.20 16.40	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-007	Date Collected:	02.02.20 13.38	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4070**	49.4	mg/kg	02.05.20 10.18		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.35	Basis:	Wet Weight
Seq Number:	3115620				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.05.20 06.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.05.20 06.23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.05.20 06.23	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.05.20 06.23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.05.20 06.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.05.20 06.23	
o-Terphenyl	84-15-1	98	%	70-135	02.05.20 06.23	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-007	Date Collected:	02.02.20 13.38	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 17.00	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 17.00	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 17.00	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.20 17.00	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 17.00	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 17.00	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 17.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 17.00	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 17.00	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH01G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-008	Date Collected:	02.02.20 13.39	Sample Depth:	33 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1820**	50.4	mg/kg	02.05.20 10.23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.04.20 22.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.04.20 22.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.04.20 22.18	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	02.04.20 22.18	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.04.20 22.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	02.04.20 22.18	
o-Terphenyl	84-15-1	110	%	70-135	02.04.20 22.18	

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ADU 816

Sample Id:	**BH01G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-008	Date Collected:	02.02.20 13.39	Sample Depth:	33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.20 17.20	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.20 17.20	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.20 17.20	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.20 17.20	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.20 17.20	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.20 17.20	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.20 17.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 17.20	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 17.20	

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Sample Id:	**BH01H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-009	Date Collected:	02.02.20 08.30	Sample Depth:	34 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6640**	50.4	mg/kg	02.05.20 10.39		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 12.00	Basis:	Wet Weight
Seq Number:	3115592				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.04.20 16.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.04.20 16.23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.04.20 16.23	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	02.04.20 16.23	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.04.20 16.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.04.20 16.23	
o-Terphenyl	84-15-1	93	%	70-135	02.04.20 16.23	

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Sample Id:	**BH01H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-009	Date Collected:	02.02.20 08.30	Sample Depth:	34 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.20 19.03	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.20 19.03	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.20 19.03	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.20 19.03	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.20 19.03	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.20 19.03	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.20 19.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	02.04.20 19.03	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 19.03	

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Sample Id:	**BH01I**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-010	Date Collected:	02.02.20 08.30	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6160**	49.9	mg/kg	02.05.20 10.45		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 12.00	Basis:	Wet Weight
Seq Number:	3115592				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.20 16.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.20 16.23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.20 16.23	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.04.20 16.23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.20 16.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.04.20 16.23	
o-Terphenyl	84-15-1	92	%	70-135	02.04.20 16.23	

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Sample Id:	**BH01I**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-010	Date Collected:	02.02.20 08.30	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.04.20 18.01	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.04.20 18.01	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.04.20 18.01	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	02.04.20 18.01	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.04.20 18.01	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.04.20 18.01	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.04.20 18.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 18.01	
1,4-Difluorobenzene	540-36-3	101	%	70-130	02.04.20 18.01	

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Sample Id:	**BH06**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-011	Date Collected:	02.02.20 13.45	Sample Depth:	1 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**196**	10.0	mg/kg	02.05.20 10.50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 12.00	Basis:	Wet Weight
Seq Number:	3115592				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.20 16.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.20 16.43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.20 16.43	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.04.20 16.43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.20 16.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	02.04.20 16.43	
o-Terphenyl	84-15-1	94	%	70-135	02.04.20 16.43	

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Sample Id:	**BH06**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-011	Date Collected:	02.02.20 13.45	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 19.23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 19.23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 19.23	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.04.20 19.23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 19.23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 19.23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 19.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.04.20 19.23	
4-Bromofluorobenzene	460-00-4	98	%	70-130	02.04.20 19.23	

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Sample Id:	**BH06A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-012	Date Collected:	02.02.20 13.46	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1020**	50.4	mg/kg	02.05.20 11.06		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 12.00	Basis:	Wet Weight
Seq Number:	3115592				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	02.04.20 16.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	02.04.20 16.43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	02.04.20 16.43	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	02.04.20 16.43	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	02.04.20 16.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	02.04.20 16.43	
o-Terphenyl	84-15-1	100	%	70-135	02.04.20 16.43	

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Sample Id:	**BH06A**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-012	Date Collected:	02.02.20 13.46	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.20 19.44	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.20 19.44	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.20 19.44	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.04.20 19.44	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.20 19.44	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.20 19.44	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.20 19.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.04.20 19.44	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 19.44	

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Sample Id: **BH06B** Matrix: Soil Date Received:02.03.20 14.47

Lab Sample Id: 651159-013 Date Collected: 02.02.20 13.47 Sample Depth: 10 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 02.04.20 18.15 Basis: Wet Weight

Seq Number: 3115603

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1640**	49.7	mg/kg	02.05.20 11.12		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 02.04.20 12.00 Basis: Wet Weight

Seq Number: 3115592

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 17.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 17.03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 17.03	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 17.03	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 17.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	02.04.20 17.03	
o-Terphenyl	84-15-1	102	%	70-135	02.04.20 17.03	

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Sample Id:	**BH06B**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-013	Date Collected:	02.02.20 13.47	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 20.04	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 20.04	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 20.04	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.20 20.04	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 20.04	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 20.04	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 20.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 20.04	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 20.04	

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ADU 816

Sample Id:	**BH06C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-014	Date Collected:	02.02.20 13.49	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4780**	49.9	mg/kg	02.05.20 11.17		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.20 22.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.20 22.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.20 22.38	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	02.04.20 22.38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.20 22.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.04.20 22.38	
o-Terphenyl	84-15-1	96	%	70-135	02.04.20 22.38	

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ADU 816

Sample Id:	**BH06C**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-014	Date Collected:	02.02.20 13.49	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 20.24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 20.24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 20.24	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 20.24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 20.24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 20.24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 20.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 20.24	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.04.20 20.24	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH06D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-015	Date Collected:	02.02.20 13.51	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6510**	50.0	mg/kg	02.05.20 11.23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.04.20 22.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.04.20 22.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.04.20 22.57	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	02.04.20 22.57	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.04.20 22.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	02.04.20 22.57	
o-Terphenyl	84-15-1	102	%	70-135	02.04.20 22.57	

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Sample Id:	**BH06D**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-015	Date Collected:	02.02.20 13.51	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.04.20 20.45	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.04.20 20.45	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.04.20 20.45	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.04.20 20.45	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.04.20 20.45	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.04.20 20.45	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.04.20 20.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 20.45	
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 20.45	

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Sample Id:	**BH06E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-016	Date Collected:	02.02.20 13.51	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6580**	50.4	mg/kg	02.05.20 11.28		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 22.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 22.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 22.57	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 22.57	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 22.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	02.04.20 22.57	
o-Terphenyl	84-15-1	101	%	70-135	02.04.20 22.57	

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LT Environmental, Inc., Arvada, CO

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Sample Id:	**BH06E**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-016	Date Collected:	02.02.20 13.51	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 21.05	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 21.05	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 21.05	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 21.05	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 21.05	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 21.05	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 21.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 21.05	
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.04.20 21.05	

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Sample Id:	**BH06F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-017	Date Collected:	02.02.20 13.52	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 18.15	Basis:	Wet Weight
Seq Number:	3115603				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**874**	50.1	mg/kg	02.05.20 11.33		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	02.04.20 23.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	02.04.20 23.17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	02.04.20 23.17	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	02.04.20 23.17	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	02.04.20 23.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	02.04.20 23.17	
o-Terphenyl	84-15-1	111	%	70-135	02.04.20 23.17	

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Sample Id:	**BH06F**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-017	Date Collected:	02.02.20 13.52	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.04.20 21.25	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.04.20 21.25	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.04.20 21.25	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	02.04.20 21.25	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.04.20 21.25	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.04.20 21.25	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.04.20 21.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 21.25	
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 21.25	

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Sample Id:	**BH06G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-018	Date Collected:	02.02.20 13.54	Sample Depth:	33 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.05.20 10.08	Basis:	Wet Weight
Seq Number:	3115697				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**995**	49.9	mg/kg	02.05.20 15.13		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	02.04.20 23.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	02.04.20 23.17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	02.04.20 23.17	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	02.04.20 23.17	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	02.04.20 23.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.04.20 23.17	
o-Terphenyl	84-15-1	96	%	70-135	02.04.20 23.17	

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Sample Id:	**BH06G**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-018	Date Collected:	02.02.20 13.54	Sample Depth:	33 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 21.46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 21.46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 21.46	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	02.04.20 21.46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 21.46	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 21.46	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 21.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 21.46	
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.04.20 21.46	

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ADU 816

Sample Id:	**BH06H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-019	Date Collected:	02.02.20 13.55	Sample Depth:	34 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.05.20 10.08	Basis:	Wet Weight
Seq Number:	3115697				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1110**	49.9	mg/kg	02.05.20 15.37		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.04.20 23.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.04.20 23.36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.04.20 23.36	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	02.04.20 23.36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.04.20 23.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	02.04.20 23.36	
o-Terphenyl	84-15-1	100	%	70-135	02.04.20 23.36	

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Sample Id:	**BH06H**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-019	Date Collected:	02.02.20 13.55	Sample Depth:	34 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 22.06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 22.06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 22.06	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.20 22.06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 22.06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 22.06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 22.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	02.04.20 22.06	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.04.20 22.06	

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ADU 816

Sample Id:	**BH06I**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-020	Date Collected:	02.02.20 13.58	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.05.20 10.08	Basis:	Wet Weight
Seq Number:	3115697				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**498**	9.92	mg/kg	02.05.20 15.43		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	02.04.20 17.30	Basis:	Wet Weight
Seq Number:	3115606				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	02.04.20 23.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	02.04.20 23.36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	02.04.20 23.36	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	02.04.20 23.36	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	02.04.20 23.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	02.04.20 23.36	
o-Terphenyl	84-15-1	95	%	70-135	02.04.20 23.36	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH06I**	Matrix:	Soil	Date Received:	02.03.20 14.47
Lab Sample Id:	651159-020	Date Collected:	02.02.20 13.58	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	02.04.20 11.00	Basis:	Wet Weight
Seq Number:	3115625				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.04.20 22.27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.04.20 22.27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.04.20 22.27	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.04.20 22.27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.04.20 22.27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.04.20 22.27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.04.20 22.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.04.20 22.27	
4-Bromofluorobenzene	460-00-4	99	%	70-130	02.04.20 22.27	

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

Released to Imaging: 6/9/2022 4:17:14 PM

QC Summary 651159

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115603 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7695977-1-BLK — LCS Sample Id: 7695977-1-BKS — LCSD Sample Id: 7695977-1-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	259	104	260	104	90-110	0	20	mg/kg	02.05.20 08:57	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115697 — Matrix: Solid — Date Prep: 02.05.20
MB Sample Id: 7695986-1-BLK — LCS Sample Id: 7695986-1-BKS — LCSD Sample Id: 7695986-1-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	261	104	259	104	90-110	1	20	mg/kg	02.05.20 15:02	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115603 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651159-008 — MS Sample Id: 651159-008 S — MSD Sample Id: 651159-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1820	200	2010	95	2030	104	90-110	1	20	mg/kg	02.05.20 10:29	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115603 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651331-001 — MS Sample Id: 651331-001 S — MSD Sample Id: 651331-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	227	199	434	104	440	107	90-110	1	20	mg/kg	02.05.20 09:13	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3115697 — Matrix: Soil — Date Prep: 02.05.20
Parent Sample Id: 651159-018 — MS Sample Id: 651159-018 S — MSD Sample Id: 651159-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	995	200	1200	103	1210	108	90-110	1	20	mg/kg	02.05.20 15:19	

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 651159

LT Environmental, Inc.

ADU 816

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3115697 Matrix: Soil Date Prep: 02.05.20
Parent Sample Id: 651336-004 MS Sample Id: 651336-004 S MSD Sample Id: 651336-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	255	202	462	102	455	101	90-110	2	20	mg/kg	02.05.20 16:42	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115592 Matrix: Solid Date Prep: 02.04.20
MB Sample Id: 7695996-1-BLK LCS Sample Id: 7695996-1-BKS LCSD Sample Id: 7695996-1-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	1130	113	1110	111	70-135	2	35	mg/kg	02.04.20 13:03	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1120	112	70-135	5	35	mg/kg	02.04.20 13:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	109		117		113		70-135	%	02.04.20 13:03
o-Terphenyl	109		107		101		70-135	%	02.04.20 13:03

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115606 Matrix: Solid Date Prep: 02.04.20
MB Sample Id: 7696012-1-BLK LCS Sample Id: 7696012-1-BKS LCSD Sample Id: 7696012-1-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	1170	117	1030	103	70-135	13	35	mg/kg	02.04.20 21:58	
Diesel Range Organics (DRO)	<50.0	1000	1080	108	1040	104	70-135	4	35	mg/kg	02.04.20 21:58	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		131		112		70-135	%	02.04.20 21:58
o-Terphenyl	95		122		103		70-135	%	02.04.20 21:58

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3115620 Matrix: Solid Date Prep: 02.04.20
MB Sample Id: 7696023-1-BLK LCS Sample Id: 7696023-1-BKS LCSD Sample Id: 7696023-1-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	1150	115	1090	109	70-135	5	35	mg/kg	02.05.20 03:29	
Diesel Range Organics (DRO)	<50.0	1000	1180	118	1080	108	70-135	9	35	mg/kg	02.05.20 03:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		120		119		70-135	%	02.05.20 03:29
o-Terphenyl	95		115		106		70-135	%	02.05.20 03:29

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 651159

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115592 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7695996-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.20 12:43	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115606 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7696012-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.20 21:39	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115620 — Matrix: Solid — Date Prep: 02.04.20
MB Sample Id: 7696023-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.05.20 03:10	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3115592 — Matrix: Soil — Date Prep: 02.04.20
Parent Sample Id: 651256-001 — MS Sample Id: 651256-001 S — MSD Sample Id: 651256-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1150	115	1120	112	70-135	3	35	mg/kg	02.04.20 13:23	
Diesel Range Organics (DRO)	325	1000	1160	84	1210	89	70-135	4	35	mg/kg	02.04.20 13:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		121		70-135	%	02.04.20 13:23
o-Terphenyl	111		116		70-135	%	02.04.20 13:23

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 651159

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115606 | Matrix: Soil | Date Prep: 02.04.20
Parent Sample Id: 651159-008 | MS Sample Id: 651159-008 S | MSD Sample Id: 651159-008 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)	<50.2	1000	1180	118	1160	116	70-135	2	35	mg/kg	02.04.20 22:18	
Diesel Range Organics (DRO)	<50.2	1000	1180	118	1180	118	70-135	0	35	mg/kg	02.04.20 22:18	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		128		70-135	%	02.04.20 22:18
o-Terphenyl	115		113		70-135	%	02.04.20 22:18

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3115620 | Matrix: Soil | Date Prep: 02.04.20
Parent Sample Id: 651153-033 | MS Sample Id: 651153-033 S | MSD Sample Id: 651153-033 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	1110	111	1200	120	70-135	8	35	mg/kg	02.05.20 03:48	
Diesel Range Organics (DRO)	<50.1	1000	1100	110	1080	108	70-135	2	35	mg/kg	02.05.20 03:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	123		125		70-135	%	02.05.20 03:48
o-Terphenyl	108		121		70-135	%	02.05.20 03:48

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3115625 | Matrix: Solid | Date Prep: 02.04.20
MB Sample Id: 7695935-1-BLK | LCS Sample Id: 7695935-1-BKS | LCSD Sample Id: 7695935-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.105	105	0.0960	96	70-130	9	35	mg/kg	02.04.20 13:15	
Toluene	<0.00200	0.100	0.101	101	0.0921	92	70-130	9	35	mg/kg	02.04.20 13:15	
Ethylbenzene	<0.00200	0.100	0.0974	97	0.0897	90	71-129	8	35	mg/kg	02.04.20 13:15	
m,p-Xylenes	<0.00400	0.200	0.200	100	0.185	93	70-135	8	35	mg/kg	02.04.20 13:15	
o-Xylene	<0.00200	0.100	0.0995	100	0.0920	92	71-133	8	35	mg/kg	02.04.20 13:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		104		102		70-130	%	02.04.20 13:15
4-Bromofluorobenzene	96		95		96		70-130	%	02.04.20 13:15

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 651159

LT Environmental, Inc.

ADU 816

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

Seq Number: 3115625 Matrix: Soil Date Prep: 02.04.20

Parent Sample Id: 651159-001 MS Sample Id: 651159-001 S MSD Sample Id: 651159-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.114	113	0.101	101	70-130	12	35	mg/kg	02.04.20 13:56	
Toluene	<0.00202	0.101	0.109	108	0.0928	93	70-130	16	35	mg/kg	02.04.20 13:56	
Ethylbenzene	<0.00202	0.101	0.102	101	0.0815	82	71-129	22	35	mg/kg	02.04.20 13:56	
m,p-Xylenes	<0.00403	0.202	0.210	104	0.167	84	70-135	23	35	mg/kg	02.04.20 13:56	
o-Xylene	<0.00202	0.101	0.104	103	0.0833	83	71-133	22	35	mg/kg	02.04.20 13:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		105		70-130	%	02.04.20 13:56
4-Bromofluorobenzene	101		99		70-130	%	02.04.20 13:56

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	

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Chain of Custody

Work Order No: 651159

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

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

Work Order Comments

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

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine	✓
P.O. Number:	Eddy	Rush:	
Sampler's Name:	William Mather	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	0.6	Thermometer ID	
Received Intact:	(Yes) No	T-NM-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Total Containers:	10

ANALYSIS REQUEST

Work Order Notes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
BH01	s	2/2/2020	13:30	1'	1	x	x	x	discrete
BH01A	s	2/2/2020	13:32	5'	1	x	x	x	discrete
BH01B	s	2/2/2020	13:33	10'	1	x	x	x	discrete
BH01C	s	2/2/2020	13:34	15'	1	x	x	x	discrete
BH01D	s	2/2/2020	13:35	20'	1	x	x	x	discrete
BH01E	s	2/2/2020	13:37	25'	1	x	x	x	discrete
BH01F	s	2/2/2020	13:38	30'	1	x	x	x	discrete
BH01G	s	2/2/2020	13:39	33'	1	x	x	x	discrete
BH01H	s	2/2/2020	8:30	34'	1	x	x	x	discrete
BH01I	s	2/2/2020	8:30	35'	1	x	x	x	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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		2/3/20/4:47	2		
			4		
			6		

Received by OCD: 5/11/2020 9:23:10 AM
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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)
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Work Order No: 451 159

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

Work Order Comments

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

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine	☑
P.O. Number:	Eddy	Rush:	
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)	Sample Comments
BH06	s	2/2/2020	13:45	1'	1	x	x	x	discrete
BH06A	s	2/2/2020	13:46	5'	1	x	x	x	discrete
BH06B	s	2/2/2020	13:47	10'	1	x	x	x	discrete
BH06C	s	2/2/2020	13:49	15'	1	x	x	x	discrete
BH06D	s	2/2/2020	13:51	20'	1	x	x	x	discrete
BH06E	s	2/2/2020	13:51	25'	1	x	x	x	discrete
BH06F	s	2/2/2020	13:52	30'	1	x	x	x	discrete
BH06G	s	2/2/2020	13:54	33'	1	x	x	x	discrete
BH06H	s	2/2/2020	13:55	34'	1	x	x	x	discrete
BH06I	s	2/2/2020	13:58	35'	1	x	x	x	discrete

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4/3/20 14:47	2		
			4		
			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 5/11/2020 9:23:10 AM
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Analytical Report 656968

for

LT Environmental, Inc.

Project Manager: Dan Moir

ADU 816

012919221

31-MAR-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)

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31-MAR-20

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

Reference: XENCO Report No(s): **656968**
ADU 816
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 656968. 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. 656968 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

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Sample Cross Reference 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW01	S	03-25-20 11:50	0.5 ft	656968-001
MW01A	S	03-25-20 11:58	5 ft	656968-002
MW01B	S	03-25-20 12:11	10 ft	656968-003
MW01C	S	03-25-20 12:15	15 ft	656968-004
MW01D	S	03-25-20 12:20	20 ft	656968-005
MW01E	S	03-25-20 12:28	25 ft	656968-006
MW01F	S	03-25-20 12:30	30 ft	656968-007
MW01G	S	03-25-20 12:32	35 ft	656968-008
MW01H	S	03-25-20 12:35	37 ft	656968-009
MW02	S	03-25-20 14:22	0.5 ft	656968-010
MW02A	S	03-25-20 14:25	5 ft	656968-011
MW02B	S	03-25-20 14:30	10 ft	656968-012
MW02C	S	03-25-20 14:32	15 ft	656968-013
MW02D	S	03-25-20 14:38	20 ft	656968-014
MW02E	S	03-25-20 14:40	25 ft	656968-015
MW02F	S	03-25-20 14:45	30 ft	656968-016
MW02G	S	03-25-20 14:48	35 ft	656968-017
MW02H	S	03-25-20 14:50	37 ft	656968-018
BH10	S	03-25-20 16:18	0.5 ft	656968-019
BH10A	S	03-25-20 16:25	5 ft	656968-020
BH10B	S	03-25-20 16:28	10 ft	656968-021
BH10C	S	03-25-20 16:30	15 ft	656968-022
BH10D	S	03-25-20 16:35	20 ft	656968-023
BH10E	S	03-25-20 16:38	25 ft	656968-024
BH10F	S	03-25-20 16:40	30 ft	656968-025
BH10G	S	03-25-20 16:43	35 ft	656968-026
BH10H	S	03-25-20 16:50	37 ft	656968-027

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: ADU 816

Project ID: *012919221*
Work Order Number(s): *656968*

Report Date: *31-MAR-20*
Date Received: *03/26/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121125 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121157 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121285 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analysis Summary 656968

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu Mar-26-20 08:45 am
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656968-001		656968-002		656968-003		656968-004		656968-005		656968-006	
	Field Id:	MW01		MW01A		MW01B		MW01C		MW01D		MW01E	
	Depth:	0.5- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-20 11:50		Mar-25-20 11:58		Mar-25-20 12:11		Mar-25-20 12:15		Mar-25-20 12:20		Mar-25-20 12:28	
BTEX by EPA 8021B	***Extracted:***	Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00	
	Analyzed:	Mar-26-20 18:10		Mar-26-20 18:30		Mar-26-20 18:50		Mar-26-20 19:11		Mar-26-20 19:31		Mar-26-20 19:52	
	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	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00398	0.00398	<0.00401	0.00401	<0.00402	0.00402	<0.00402	0.00402	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00199	0.00199	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00	
	Analyzed:	Mar-26-20 17:09		Mar-26-20 17:15		Mar-26-20 17:33		Mar-26-20 17:40		Mar-26-20 17:58		Mar-26-20 18:04	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.96	9.96	415	49.8	417	49.9	385	49.9	746	49.6	635	50.1
TPH by SW8015 Mod	***Extracted:***	Mar-26-20 18:00		Mar-26-20 18:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00	
	Analyzed:	Mar-27-20 12:03		Mar-27-20 13:05		Mar-27-20 14:06		Mar-27-20 15:08		Mar-27-20 15:29		Mar-27-20 15:50	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.2	50.2	<50.1	50.1
Diesel Range Organics (DRO)		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.2	50.2	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.2	50.2	<50.1	50.1
Total GRO-DRO		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.2	50.2	<50.1	50.1
Total TPH		<50.3	50.3	<50.1	50.1	<50.2	50.2	<49.9	49.9	<50.2	50.2	<50.1	50.1

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

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 656968

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu Mar-26-20 08:45 am
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656968-007		656968-008		656968-009		656968-010		656968-011		656968-012	
	Field Id:	MW01F		MW01G		MW01H		MW02		MW02A		MW02B	
	Depth:	30- ft		35- ft		37- ft		0.5- ft		5- ft		10- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-20 12:30		Mar-25-20 12:32		Mar-25-20 12:35		Mar-25-20 14:22		Mar-25-20 14:25		Mar-25-20 14:30	
BTEX by EPA 8021B	***Extracted:***	Mar-26-20 18:00		Mar-26-20 18:00		Mar-26-20 18:00		Mar-26-20 18:00		Mar-26-20 18:00		Mar-26-20 18:00	
	Analyzed:	Mar-26-20 22:55		Mar-26-20 23:16		Mar-26-20 23:36		Mar-26-20 23:56		Mar-27-20 00:17		Mar-27-20 00:37	
	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	<0.00202	0.00202	<0.00202	0.00202	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202
m,p-Xylenes		<0.00398	0.00398	<0.00404	0.00404	<0.00404	0.00404	<0.00398	0.00398	<0.00403	0.00403	<0.00403	0.00403
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202	<0.00199	0.00199	<0.00202	0.00202	<0.00202	0.00202
Chloride by EPA 300	***Extracted:***	Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 11:00		Mar-26-20 21:00	
	Analyzed:	Mar-26-20 18:11		Mar-26-20 18:17		Mar-26-20 18:24		Mar-26-20 18:31		Mar-26-20 18:37		Mar-27-20 12:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		482	50.3	434	10.0	462	9.96	26.8	9.96	39.7	10.0	412	50.4
TPH by SW8015 Mod	***Extracted:***	Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00	
	Analyzed:	Mar-27-20 16:10		Mar-27-20 16:31		Mar-27-20 16:52		Mar-27-20 17:13		Mar-27-20 17:33		Mar-27-20 17:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.2	50.2
Diesel Range Organics (DRO)		<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.2	50.2
Total GRO-DRO		<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.2	50.2
Total TPH		<50.3	50.3	<50.3	50.3	<50.1	50.1	<50.3	50.3	<50.2	50.2	<50.2	50.2

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 656968

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu Mar-26-20 08:45 am
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656968-013		656968-014		656968-015		656968-016		656968-017		656968-018	
	Field Id:	MW02C		MW02D		MW02E		MW02F		MW02G		MW02H	
	Depth:	15- ft		20- ft		25- ft		30- ft		35- ft		37- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-20 14:32		Mar-25-20 14:38		Mar-25-20 14:40		Mar-25-20 14:45		Mar-25-20 14:48		Mar-25-20 14:50	
BTEX by EPA 8021B	***Extracted:***	Mar-26-20 18:00		Mar-26-20 18:00		Mar-26-20 18:00		Mar-26-20 18:00		Mar-26-20 18:00		Mar-27-20 11:00	
	Analyzed:	Mar-27-20 00:58		Mar-27-20 01:18		Mar-27-20 01:38		Mar-27-20 01:59		Mar-27-20 03:00		Mar-27-20 13:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Toluene		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Ethylbenzene		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
m,p-Xylenes		<0.00402	0.00402	<0.00398	0.00398	<0.00404	0.00404	<0.00402	0.00402	<0.00404	0.00404	<0.00402	0.00402
o-Xylene		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Total Xylenes		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Total BTEX		<0.00201	0.00201	<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00202	0.00202	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00	
	Analyzed:	Mar-27-20 12:17		Mar-27-20 12:23		Mar-27-20 12:29		Mar-27-20 12:46		Mar-27-20 12:52		Mar-27-20 12:57	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		345	49.9	236	50.1	234	50.4	151	49.9	2880	49.8	2070	49.6
TPH by SW8015 Mod	***Extracted:***	Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00	
	Analyzed:	Mar-27-20 18:35		Mar-27-20 18:56		Mar-27-20 19:17		Mar-27-20 19:37		Mar-27-20 19:58		Mar-27-20 20:19	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.2	50.2
Diesel Range Organics (DRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.2	50.2
Total GRO-DRO		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.2	50.2
Total TPH		<50.3	50.3	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.2	50.2

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
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Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 656968

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu Mar-26-20 08:45 am
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	656968-019		656968-020		656968-021		656968-022		656968-023		656968-024	
	Field Id:	BH10		BH10A		BH10B		BH10C		BH10D		BH10E	
	Depth:	0.5- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-25-20 16:18		Mar-25-20 16:25		Mar-25-20 16:28		Mar-25-20 16:30		Mar-25-20 16:35		Mar-25-20 16:38	
BTEX by EPA 8021B	***Extracted:***	Mar-26-20 18:00		Mar-26-20 18:00		Mar-26-20 18:00		Mar-27-20 11:00		Mar-27-20 11:00		Mar-27-20 11:00	
	Analyzed:	Mar-27-20 03:20		Mar-27-20 03:41		Mar-27-20 04:01		Mar-27-20 14:11		Mar-27-20 14:32		Mar-27-20 14:52	
	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	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00398	0.00398	<0.00402	0.00402	<0.00402	0.00402	<0.00398	0.00398	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00199	0.00199	<0.00201	0.00201	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00	
	Analyzed:	Mar-27-20 13:03		Mar-27-20 13:09		Mar-27-20 13:14		Mar-27-20 13:20		Mar-27-20 13:38		Mar-27-20 13:56	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		39.0	10.0	530	10.0	304	49.9	496	49.8	108	9.96	183	9.94
TPH by SW8015 Mod	***Extracted:***	Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 12:00		Mar-27-20 17:30		Mar-27-20 17:30	
	Analyzed:	Mar-27-20 20:39		Mar-27-20 20:59		Mar-27-20 21:20		Mar-27-20 21:41		Mar-28-20 00:03		Mar-28-20 01:04	
	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	<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.8	49.8	<50.1	50.1
Diesel Range Organics (DRO)		<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.8	49.8	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.8	49.8	<50.1	50.1
Total GRO-DRO		<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.8	49.8	<50.1	50.1
Total TPH		<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.2	50.2	<49.8	49.8	<50.1	50.1

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 656968

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu Mar-26-20 08:45 am
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	656968-025		656968-026		656968-027				
	Field Id:	BH10F		BH10G		BH10H				
	Depth:	30- ft		35- ft		37- ft				
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Mar-25-20 16:40		Mar-25-20 16:43		Mar-25-20 16:50				
BTEX by EPA 8021B	***Extracted:***	Mar-27-20 11:00		Mar-27-20 11:00		Mar-27-20 11:00				
	Analyzed:	Mar-27-20 15:12		Mar-27-20 15:33		Mar-27-20 15:53				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		<0.00202	0.00202	<0.00198	0.00198	<0.00202	0.00202			
Toluene		<0.00202	0.00202	<0.00198	0.00198	<0.00202	0.00202			
Ethylbenzene		<0.00202	0.00202	<0.00198	0.00198	<0.00202	0.00202			
m,p-Xylenes		<0.00404	0.00404	<0.00396	0.00396	<0.00404	0.00404			
o-Xylene		<0.00202	0.00202	<0.00198	0.00198	<0.00202	0.00202			
Total Xylenes		<0.00202	0.00202	<0.00198	0.00198	<0.00202	0.00202			
Total BTEX		<0.00202	0.00202	<0.00198	0.00198	<0.00202	0.00202			
Chloride by EPA 300	***Extracted:***	Mar-26-20 21:00		Mar-26-20 21:00		Mar-26-20 21:00				
	Analyzed:	Mar-27-20 14:02		Mar-27-20 14:09		Mar-27-20 14:15				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Chloride		276	49.6	116	10.0	161	10.0			
TPH by SW8015 Mod	***Extracted:***	Mar-27-20 17:30		Mar-27-20 17:30		Mar-27-20 17:30				
	Analyzed:	Mar-28-20 01:24		Mar-28-20 01:45		Mar-28-20 02:05				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<49.8	49.8	<50.2	50.2			
Diesel Range Organics (DRO)		<50.2	50.2	<49.8	49.8	<50.2	50.2			
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<49.8	49.8	<50.2	50.2			
Total GRO-DRO		<50.2	50.2	<49.8	49.8	<50.2	50.2			
Total TPH		<50.2	50.2	<49.8	49.8	<50.2	50.2			

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

Jessica Kramer
Project Manager

Final 1.000

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-001	Date Collected:	03.25.20 11.50	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.26.20 17.09	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121224				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.27.20 12.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.27.20 12.03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.27.20 12.03	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	03.27.20 12.03	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.27.20 12.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	03.27.20 12.03	
o-Terphenyl	84-15-1	123	%	70-135	03.27.20 12.03	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-001	Date Collected:	03.25.20 11.50	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121125				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 18.10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 18.10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 18.10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 18.10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 18.10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 18.10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 18.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.26.20 18.10	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.26.20 18.10	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01A**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-002	Date Collected:	03.25.20 11.58	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**415**	49.8	mg/kg	03.26.20 17.15		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121224				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.27.20 13.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.27.20 13.05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.27.20 13.05	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.27.20 13.05	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.27.20 13.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	03.27.20 13.05	
o-Terphenyl	84-15-1	118	%	70-135	03.27.20 13.05	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01A**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-002	Date Collected:	03.25.20 11.58	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121125				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 18.30	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 18.30	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 18.30	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 18.30	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 18.30	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 18.30	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 18.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.26.20 18.30	
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.26.20 18.30	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01B**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-003	Date Collected:	03.25.20 12.11	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**417**	49.9	mg/kg	03.26.20 17.33		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 14.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 14.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 14.06	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.27.20 14.06	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 14.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.27.20 14.06	
o-Terphenyl	84-15-1	114	%	70-135	03.27.20 14.06	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01B**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-003	Date Collected:	03.25.20 12.11	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121125				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 18.50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 18.50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 18.50	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 18.50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 18.50	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 18.50	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 18.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.26.20 18.50	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.26.20 18.50	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01C**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-004	Date Collected:	03.25.20 12.15	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**385**	49.9	mg/kg	03.26.20 17.40		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.27.20 15.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.27.20 15.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.27.20 15.08	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.27.20 15.08	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.27.20 15.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	03.27.20 15.08	
o-Terphenyl	84-15-1	113	%	70-135	03.27.20 15.08	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01C**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-004	Date Collected:	03.25.20 12.15	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121125				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.26.20 19.11	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.26.20 19.11	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.26.20 19.11	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.26.20 19.11	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.26.20 19.11	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.26.20 19.11	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.26.20 19.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.26.20 19.11	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.26.20 19.11	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01D**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-005	Date Collected:	03.25.20 12.20	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**746**	49.6	mg/kg	03.26.20 17.58		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 15.29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 15.29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 15.29	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.27.20 15.29	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 15.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	03.27.20 15.29	
o-Terphenyl	84-15-1	104	%	70-135	03.27.20 15.29	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01D**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-005	Date Collected:	03.25.20 12.20	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121125				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.26.20 19.31	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.26.20 19.31	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.26.20 19.31	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.26.20 19.31	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.26.20 19.31	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.26.20 19.31	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.26.20 19.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	03.26.20 19.31	
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.26.20 19.31	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW01E**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-006	Date Collected:	03.25.20 12.28	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**635**	50.1	mg/kg	03.26.20 18.04		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.27.20 15.50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.27.20 15.50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.27.20 15.50	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.27.20 15.50	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.27.20 15.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.27.20 15.50	
o-Terphenyl	84-15-1	112	%	70-135	03.27.20 15.50	

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Sample Id:	**MW01E**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-006	Date Collected:	03.25.20 12.28	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121125				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.26.20 19.52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.26.20 19.52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.26.20 19.52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.26.20 19.52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.26.20 19.52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.26.20 19.52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.26.20 19.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.26.20 19.52	
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.26.20 19.52	

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Sample Id:	**MW01F**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-007	Date Collected:	03.25.20 12.30	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**482**	50.3	mg/kg	03.26.20 18.11		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.27.20 16.10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.27.20 16.10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.27.20 16.10	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	03.27.20 16.10	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.27.20 16.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.27.20 16.10	
o-Terphenyl	84-15-1	90	%	70-135	03.27.20 16.10	

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Sample Id:	**MW01F**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-007	Date Collected:	03.25.20 12.30	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 22.55	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 22.55	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 22.55	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 22.55	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 22.55	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 22.55	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 22.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.26.20 22.55	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.26.20 22.55	

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Sample Id:	**MW01G**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-008	Date Collected:	03.25.20 12.32	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**434**	10.0	mg/kg	03.26.20 18.17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.27.20 16.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.27.20 16.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.27.20 16.31	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	03.27.20 16.31	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.27.20 16.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.27.20 16.31	
o-Terphenyl	84-15-1	103	%	70-135	03.27.20 16.31	

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Sample Id:	**MW01G**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-008	Date Collected:	03.25.20 12.32	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.26.20 23.16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.26.20 23.16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.26.20 23.16	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.26.20 23.16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.26.20 23.16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.26.20 23.16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.26.20 23.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.26.20 23.16	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.26.20 23.16	

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Sample Id:	**MW01H**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-009	Date Collected:	03.25.20 12.35	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**462**	9.96	mg/kg	03.26.20 18.24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.27.20 16.52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.27.20 16.52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.27.20 16.52	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.27.20 16.52	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.27.20 16.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	03.27.20 16.52	
o-Terphenyl	84-15-1	82	%	70-135	03.27.20 16.52	

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Sample Id:	**MW01H**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-009	Date Collected:	03.25.20 12.35	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.26.20 23.36	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.26.20 23.36	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.26.20 23.36	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.26.20 23.36	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.26.20 23.36	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.26.20 23.36	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.26.20 23.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.26.20 23.36	
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.26.20 23.36	

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Sample Id:	**MW02**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-010	Date Collected:	03.25.20 14.22	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**26.8**	9.96	mg/kg	03.26.20 18.31		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.27.20 17.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.27.20 17.13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.27.20 17.13	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	03.27.20 17.13	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.27.20 17.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	03.27.20 17.13	
o-Terphenyl	84-15-1	87	%	70-135	03.27.20 17.13	

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Sample Id:	**MW02**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-010	Date Collected:	03.25.20 14.22	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.26.20 23.56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.26.20 23.56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.26.20 23.56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.26.20 23.56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.26.20 23.56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.26.20 23.56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.26.20 23.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.26.20 23.56	
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.26.20 23.56	

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Sample Id:	**MW02A**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-011	Date Collected:	03.25.20 14.25	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 11.00	Basis:	Wet Weight
Seq Number:	3121143				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**39.7**	10.0	mg/kg	03.26.20 18.37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 17.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 17.33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 17.33	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.27.20 17.33	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 17.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	03.27.20 17.33	
o-Terphenyl	84-15-1	85	%	70-135	03.27.20 17.33	

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Sample Id:	**MW02A**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-011	Date Collected:	03.25.20 14.25	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.27.20 00.17	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.27.20 00.17	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.27.20 00.17	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.27.20 00.17	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.27.20 00.17	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.27.20 00.17	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.27.20 00.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.27.20 00.17	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 00.17	

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ADU 816

Sample Id:	**MW02B**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-012	Date Collected:	03.25.20 14.30	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**412**	50.4	mg/kg	03.27.20 12.00		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 17.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 17.54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 17.54	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.27.20 17.54	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 17.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	03.27.20 17.54	
o-Terphenyl	84-15-1	70	%	70-135	03.27.20 17.54	

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Sample Id:	**MW02B**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-012	Date Collected:	03.25.20 14.30	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.27.20 00.37	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.27.20 00.37	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.27.20 00.37	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.27.20 00.37	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.27.20 00.37	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.27.20 00.37	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.27.20 00.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 00.37	
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.27.20 00.37	

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ADU 816

Sample Id:	**MW02C**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-013	Date Collected:	03.25.20 14.32	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**345**	49.9	mg/kg	03.27.20 12.17		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.27.20 18.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.27.20 18.35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.27.20 18.35	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	03.27.20 18.35	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.27.20 18.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-135	03.27.20 18.35	
o-Terphenyl	84-15-1	71	%	70-135	03.27.20 18.35	

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Sample Id:	**MW02C**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-013	Date Collected:	03.25.20 14.32	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.27.20 00.58	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.27.20 00.58	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.27.20 00.58	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.27.20 00.58	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.27.20 00.58	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.27.20 00.58	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.27.20 00.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.27.20 00.58	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 00.58	

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Sample Id:	**MW02D**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-014	Date Collected:	03.25.20 14.38	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**236**	50.1	mg/kg	03.27.20 12.23		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 18.56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 18.56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 18.56	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.27.20 18.56	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 18.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	03.27.20 18.56	
o-Terphenyl	84-15-1	112	%	70-135	03.27.20 18.56	

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Sample Id:	**MW02D**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-014	Date Collected:	03.25.20 14.38	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.27.20 01.18	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.27.20 01.18	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.27.20 01.18	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.27.20 01.18	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.27.20 01.18	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.27.20 01.18	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.27.20 01.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.27.20 01.18	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 01.18	

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Sample Id:	**MW02E**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-015	Date Collected:	03.25.20 14.40	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**234**	50.4	mg/kg	03.27.20 12.29		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.27.20 19.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.27.20 19.17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.27.20 19.17	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.27.20 19.17	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.27.20 19.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	03.27.20 19.17	
o-Terphenyl	84-15-1	91	%	70-135	03.27.20 19.17	

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Sample Id:	**MW02E**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-015	Date Collected:	03.25.20 14.40	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.27.20 01.38	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.27.20 01.38	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.27.20 01.38	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.27.20 01.38	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.27.20 01.38	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.27.20 01.38	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.27.20 01.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.27.20 01.38	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 01.38	

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Sample Id:	**MW02F**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-016	Date Collected:	03.25.20 14.45	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**151**	49.9	mg/kg	03.27.20 12.46		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.27.20 19.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.27.20 19.37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.27.20 19.37	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	03.27.20 19.37	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.27.20 19.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	03.27.20 19.37	
o-Terphenyl	84-15-1	107	%	70-135	03.27.20 19.37	

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Sample Id:	**MW02F**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-016	Date Collected:	03.25.20 14.45	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.27.20 01.59	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.27.20 01.59	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.27.20 01.59	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.27.20 01.59	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.27.20 01.59	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.27.20 01.59	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.27.20 01.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	03.27.20 01.59	
1,4-Difluorobenzene	540-36-3	108	%	70-130	03.27.20 01.59	

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Sample Id:	**MW02G**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-017	Date Collected:	03.25.20 14.48	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2880**	49.8	mg/kg	03.27.20 12.52		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.27.20 19.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.27.20 19.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.27.20 19.58	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.27.20 19.58	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.27.20 19.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	03.27.20 19.58	
o-Terphenyl	84-15-1	114	%	70-135	03.27.20 19.58	

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Sample Id:	**MW02G**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-017	Date Collected:	03.25.20 14.48	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.27.20 03.00	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.27.20 03.00	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.27.20 03.00	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.27.20 03.00	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.27.20 03.00	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.27.20 03.00	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.27.20 03.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.27.20 03.00	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 03.00	

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Sample Id:	**MW02H**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-018	Date Collected:	03.25.20 14.50	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2070**	49.6	mg/kg	03.27.20 12.57		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 20.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 20.19	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 20.19	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.27.20 20.19	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 20.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	03.27.20 20.19	
o-Terphenyl	84-15-1	112	%	70-135	03.27.20 20.19	

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Sample Id:	**MW02H**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-018	Date Collected:	03.25.20 14.50	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.27.20 11.00	Basis:	Wet Weight
Seq Number:	3121285				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.27.20 13.51	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.27.20 13.51	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.27.20 13.51	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.27.20 13.51	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.27.20 13.51	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.27.20 13.51	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.27.20 13.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	03.27.20 13.51	
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.27.20 13.51	

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Sample Id:	**BH10**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-019	Date Collected:	03.25.20 16.18	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**39.0**	10.0	mg/kg	03.27.20 13.03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.27.20 20.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.27.20 20.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.27.20 20.39	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.27.20 20.39	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.27.20 20.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	03.27.20 20.39	
o-Terphenyl	84-15-1	127	%	70-135	03.27.20 20.39	

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ADU 816

Sample Id:	**BH10**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-019	Date Collected:	03.25.20 16.18	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.27.20 03.20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.27.20 03.20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.27.20 03.20	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.27.20 03.20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.27.20 03.20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.27.20 03.20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.27.20 03.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 03.20	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.27.20 03.20	

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ADU 816

Sample Id:	**BH10A**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-020	Date Collected:	03.25.20 16.25	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**530**	10.0	mg/kg	03.27.20 13.09		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.27.20 20.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.27.20 20.59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.27.20 20.59	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.27.20 20.59	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.27.20 20.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	03.27.20 20.59	
o-Terphenyl	84-15-1	121	%	70-135	03.27.20 20.59	

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Sample Id:	**BH10A**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-020	Date Collected:	03.25.20 16.25	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.27.20 03.41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.27.20 03.41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.27.20 03.41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.27.20 03.41	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.27.20 03.41	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.27.20 03.41	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.27.20 03.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 03.41	
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.27.20 03.41	

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Sample Id:	**BH10B**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-021	Date Collected:	03.25.20 16.28	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**304**	49.9	mg/kg	03.27.20 13.14		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 21.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 21.20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 21.20	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.27.20 21.20	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 21.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-135	03.27.20 21.20	
o-Terphenyl	84-15-1	115	%	70-135	03.27.20 21.20	

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Sample Id:	**BH10B**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-021	Date Collected:	03.25.20 16.28	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 18.00	Basis:	Wet Weight
Seq Number:	3121157				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.27.20 04.01	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.27.20 04.01	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.27.20 04.01	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.27.20 04.01	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.27.20 04.01	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.27.20 04.01	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.27.20 04.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.27.20 04.01	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.27.20 04.01	

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Sample Id:	**BH10C**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-022	Date Collected:	03.25.20 16.30	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**496**	49.8	mg/kg	03.27.20 13.20		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 12.00	Basis:	Wet Weight
Seq Number:	3121223				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.27.20 21.41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.27.20 21.41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.27.20 21.41	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.27.20 21.41	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.27.20 21.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	03.27.20 21.41	
o-Terphenyl	84-15-1	114	%	70-135	03.27.20 21.41	

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Sample Id:	**BH10C**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-022	Date Collected:	03.25.20 16.30	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.27.20 11.00	Basis:	Wet Weight
Seq Number:	3121285				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.27.20 14.11	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.27.20 14.11	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.27.20 14.11	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.27.20 14.11	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.27.20 14.11	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.27.20 14.11	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.27.20 14.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.27.20 14.11	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.27.20 14.11	

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Sample Id:	**BH10D**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-023	Date Collected:	03.25.20 16.35	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**108**	9.96	mg/kg	03.27.20 13.38		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 17.30	Basis:	Wet Weight
Seq Number:	3121273				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.28.20 00.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.28.20 00.03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.28.20 00.03	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	03.28.20 00.03	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.28.20 00.03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	03.28.20 00.03	
o-Terphenyl	84-15-1	125	%	70-135	03.28.20 00.03	

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Sample Id:	**BH10D**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-023	Date Collected:	03.25.20 16.35	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.27.20 11.00	Basis:	Wet Weight
Seq Number:	3121285				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.27.20 14.32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.27.20 14.32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.27.20 14.32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.27.20 14.32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.27.20 14.32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.27.20 14.32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.27.20 14.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	03.27.20 14.32	
1,4-Difluorobenzene	540-36-3	113	%	70-130	03.27.20 14.32	

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Sample Id:	**BH10E**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-024	Date Collected:	03.25.20 16.38	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**183**	9.94	mg/kg	03.27.20 13.56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 17.30	Basis:	Wet Weight
Seq Number:	3121273				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.28.20 01.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.28.20 01.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.28.20 01.04	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.28.20 01.04	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.28.20 01.04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	03.28.20 01.04	
o-Terphenyl	84-15-1	126	%	70-135	03.28.20 01.04	

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Sample Id:	**BH10E**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-024	Date Collected:	03.25.20 16.38	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.27.20 11.00	Basis:	Wet Weight
Seq Number:	3121285				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.27.20 14.52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.27.20 14.52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.27.20 14.52	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.27.20 14.52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.27.20 14.52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.27.20 14.52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.27.20 14.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.27.20 14.52	
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.27.20 14.52	

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Sample Id:	**BH10F**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-025	Date Collected:	03.25.20 16.40	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**276**	49.6	mg/kg	03.27.20 14.02		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 17.30	Basis:	Wet Weight
Seq Number:	3121273				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.28.20 01.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.28.20 01.24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.28.20 01.24	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.28.20 01.24	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.28.20 01.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	03.28.20 01.24	
o-Terphenyl	84-15-1	123	%	70-135	03.28.20 01.24	

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Sample Id:	**BH10F**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-025	Date Collected:	03.25.20 16.40	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.27.20 11.00	Basis:	Wet Weight
Seq Number:	3121285				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.27.20 15.12	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.27.20 15.12	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.27.20 15.12	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.27.20 15.12	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.27.20 15.12	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.27.20 15.12	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.27.20 15.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.27.20 15.12	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.27.20 15.12	

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Sample Id:	**BH10G**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-026	Date Collected:	03.25.20 16.43	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**116**	10.0	mg/kg	03.27.20 14.09		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 17.30	Basis:	Wet Weight
Seq Number:	3121273				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.28.20 01.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.28.20 01.45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.28.20 01.45	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	03.28.20 01.45	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.28.20 01.45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	03.28.20 01.45	
o-Terphenyl	84-15-1	132	%	70-135	03.28.20 01.45	

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Sample Id:	**BH10G**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-026	Date Collected:	03.25.20 16.43	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.27.20 11.00	Basis:	Wet Weight
Seq Number:	3121285				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.27.20 15.33	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.27.20 15.33	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.27.20 15.33	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.27.20 15.33	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.27.20 15.33	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.27.20 15.33	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.27.20 15.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.27.20 15.33	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.27.20 15.33	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH10H**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-027	Date Collected:	03.25.20 16.50	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.26.20 21.00	Basis:	Wet Weight
Seq Number:	3121332				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**161**	10.0	mg/kg	03.27.20 14.15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.27.20 17.30	Basis:	Wet Weight
Seq Number:	3121273				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.28.20 02.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.28.20 02.05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.28.20 02.05	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.28.20 02.05	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.28.20 02.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	03.28.20 02.05	
o-Terphenyl	84-15-1	128	%	70-135	03.28.20 02.05	

Certificate of Analytical Results 656968

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH10H**	Matrix:	Soil	Date Received:	03.26.20 08.45
Lab Sample Id:	656968-027	Date Collected:	03.25.20 16.50	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.27.20 11.00	Basis:	Wet Weight
Seq Number:	3121285				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.27.20 15.53	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.27.20 15.53	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.27.20 15.53	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.27.20 15.53	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.27.20 15.53	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.27.20 15.53	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.27.20 15.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.27.20 15.53	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.27.20 15.53	

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

Released to Imaging: 6/9/2022 4:17:14 PM

QC Summary 656968

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121143 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699820-1-BLK — LCS Sample Id: 7699820-1-BKS — LCSD Sample Id: 7699820-1-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	255	102	90-110	0	20	mg/kg	03.26.20 15:37	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121332 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699895-1-BLK — LCS Sample Id: 7699895-1-BKS — LCSD Sample Id: 7699895-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	257	103	258	103	90-110	0	20	mg/kg	03.27.20 11:30	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121143 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656942-017 — MS Sample Id: 656942-017 S — MSD Sample Id: 656942-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.98	200	208	104	208	105	90-110	0	20	mg/kg	03.26.20 15:55	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121143 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656968-002 — MS Sample Id: 656968-002 S — MSD Sample Id: 656968-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	415	200	631	108	634	110	90-110	0	20	mg/kg	03.26.20 17:21	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121332 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656968-012 — MS Sample Id: 656968-012 S — MSD Sample Id: 656968-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	412	198	609	99	612	101	90-110	0	20	mg/kg	03.27.20 12:06	

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 656968

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121332 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656968-022 — MS Sample Id: 656968-022 S — MSD Sample Id: 656968-022 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	496	202	710	106	709	105	90-110	0	20	mg/kg	03.27.20 13:26	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121224 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699850-1-BLK — LCS Sample Id: 7699850-1-BKS — LCSD Sample Id: 7699850-1-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	999	100	985	99	70-135	1	35	mg/kg	03.27.20 11:22	
Diesel Range Organics (DRO)	<50.0	1000	1110	111	1180	118	70-135	6	35	mg/kg	03.27.20 11:22	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		127		126		70-135	%	03.27.20 11:22
o-Terphenyl	121		120		132		70-135	%	03.27.20 11:22

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121223 — Matrix: Solid — Date Prep: 03.27.20
MB Sample Id: 7699928-1-BLK — LCS Sample Id: 7699928-1-BKS — LCSD Sample Id: 7699928-1-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	716	72	877	88	70-135	20	35	mg/kg	03.27.20 13:25	
Diesel Range Organics (DRO)	<50.0	1000	768	77	997	100	70-135	26	35	mg/kg	03.27.20 13:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		92		114		70-135	%	03.27.20 13:25
o-Terphenyl	107		84		112		70-135	%	03.27.20 13:25

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121273 — Matrix: Solid — Date Prep: 03.27.20
MB Sample Id: 7699944-1-BLK — LCS Sample Id: 7699944-1-BKS — LCSD Sample Id: 7699944-1-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	1020	102	961	96	70-135	6	35	mg/kg	03.27.20 23:22	
Diesel Range Organics (DRO)	<50.0	1000	1040	104	1120	112	70-135	7	35	mg/kg	03.27.20 23:22	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	108		130		122		70-135	%	03.27.20 23:22
o-Terphenyl	113		131		124		70-135	%	03.27.20 23:22

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 656968

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121224 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699850-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.27.20 11:01	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121223 — Matrix: Solid — Date Prep: 03.27.20
MB Sample Id: 7699928-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.27.20 13:05	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121273 — Matrix: Solid — Date Prep: 03.27.20
MB Sample Id: 7699944-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.27.20 23:02	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121224 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656968-001 — MS Sample Id: 656968-001 S — MSD Sample Id: 656968-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	947	95	977	98	70-135	3	35	mg/kg	03.27.20 12:24	
Diesel Range Organics (DRO)	<50.0	1000	1130	113	1140	114	70-135	1	35	mg/kg	03.27.20 12:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		126		70-135	%	03.27.20 12:24
o-Terphenyl	129		130		70-135	%	03.27.20 12:24

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 656968

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3121223 | Matrix: Soil | Date Prep: 03.27.20
Parent Sample Id: 656968-003 | MS Sample Id: 656968-003 S | MSD Sample Id: 656968-003 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)	<50.2	1000	882	88	912	91	70-135	3	35	mg/kg	03.27.20 14:27	
Diesel Range Organics (DRO)	<50.2	1000	971	97	1020	102	70-135	5	35	mg/kg	03.27.20 14:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		115		70-135	%	03.27.20 14:27
o-Terphenyl	111		113		70-135	%	03.27.20 14:27

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3121273 | Matrix: Soil | Date Prep: 03.27.20
Parent Sample Id: 656968-023 | MS Sample Id: 656968-023 S | MSD Sample Id: 656968-023 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	1040	103	990	99	70-135	5	35	mg/kg	03.28.20 00:23	
Diesel Range Organics (DRO)	<50.3	1010	1100	109	1020	102	70-135	8	35	mg/kg	03.28.20 00:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	135		128		70-135	%	03.28.20 00:23
o-Terphenyl	118		132		70-135	%	03.28.20 00:23

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3121125 | Matrix: Solid | Date Prep: 03.26.20
MB Sample Id: 7699817-1-BLK | LCS Sample Id: 7699817-1-BKS | LCSD Sample Id: 7699817-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.114	114	0.109	109	70-130	4	35	mg/kg	03.26.20 10:41	
Toluene	<0.00200	0.100	0.110	110	0.106	106	70-130	4	35	mg/kg	03.26.20 10:41	
Ethylbenzene	<0.00200	0.100	0.104	104	0.100	100	71-129	4	35	mg/kg	03.26.20 10:41	
m,p-Xylenes	<0.00400	0.200	0.216	108	0.208	104	70-135	4	35	mg/kg	03.26.20 10:41	
o-Xylene	<0.00200	0.100	0.108	108	0.104	104	71-133	4	35	mg/kg	03.26.20 10:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		109		108		70-130	%	03.26.20 10:41
4-Bromofluorobenzene	96		92		95		70-130	%	03.26.20 10:41

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 656968

LT Environmental, Inc.

ADU 816

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121157 — Matrix: Solid — Date Prep: 03.26.20
MB Sample Id: 7699887-1-BLK — LCS Sample Id: 7699887-1-BKS — LCSD Sample Id: 7699887-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.106	106	70-130	2	35	mg/kg	03.26.20 21:13	
Toluene	<0.00200	0.100	0.102	102	0.101	101	70-130	1	35	mg/kg	03.26.20 21:13	
Ethylbenzene	<0.00200	0.100	0.0957	96	0.0945	95	71-129	1	35	mg/kg	03.26.20 21:13	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.194	97	70-135	2	35	mg/kg	03.26.20 21:13	
o-Xylene	<0.00200	0.100	0.100	100	0.0994	99	71-133	1	35	mg/kg	03.26.20 21:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		109		109		70-130	%	03.26.20 21:13
4-Bromofluorobenzene	95		91		94		70-130	%	03.26.20 21:13

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121285 — Matrix: Solid — Date Prep: 03.27.20
MB Sample Id: 7699890-1-BLK — LCS Sample Id: 7699890-1-BKS — LCSD Sample Id: 7699890-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.121	121	70-130	11	35	mg/kg	03.27.20 11:49	
Toluene	<0.00200	0.100	0.0985	99	0.125	125	70-130	24	35	mg/kg	03.27.20 11:49	
Ethylbenzene	<0.00200	0.100	0.0923	92	0.117	117	71-129	24	35	mg/kg	03.27.20 11:49	
m,p-Xylenes	<0.00400	0.200	0.180	90	0.227	114	70-135	23	35	mg/kg	03.27.20 11:49	
o-Xylene	<0.00200	0.100	0.0903	90	0.115	115	71-133	24	35	mg/kg	03.27.20 11:49	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		109		110		70-130	%	03.27.20 11:49
4-Bromofluorobenzene	92		85		87		70-130	%	03.27.20 11:49

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121125 — Matrix: Soil — Date Prep: 03.26.20
Parent Sample Id: 656941-001 — MS Sample Id: 656941-001 S — MSD Sample Id: 656941-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.104	105	0.118	118	70-130	13	35	mg/kg	03.26.20 15:47	
Toluene	<0.00198	0.0992	0.0998	101	0.109	109	70-130	9	35	mg/kg	03.26.20 15:47	
Ethylbenzene	<0.00198	0.0992	0.0938	95	0.0929	93	71-129	1	35	mg/kg	03.26.20 15:47	
m,p-Xylenes	<0.00397	0.198	0.193	97	0.184	92	70-135	5	35	mg/kg	03.26.20 15:47	
o-Xylene	<0.00198	0.0992	0.0981	99	0.0905	91	71-133	8	35	mg/kg	03.26.20 15:47	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		112		70-130	%	03.26.20 15:47
4-Bromofluorobenzene	93		97		70-130	%	03.26.20 15:47

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

QC Summary 656968

LT Environmental, Inc.

ADU 816

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

Seq Number: 3121157 Matrix: Soil Date Prep: 03.26.20

Parent Sample Id: 656968-007 MS Sample Id: 656968-007 S MSD Sample Id: 656968-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.108	107	0.110	111	70-130	2	35	mg/kg	03.26.20 21:54	
Toluene	<0.00202	0.101	0.102	101	0.104	105	70-130	2	35	mg/kg	03.26.20 21:54	
Ethylbenzene	<0.00202	0.101	0.0962	95	0.0972	98	71-129	1	35	mg/kg	03.26.20 21:54	
m,p-Xylenes	<0.00404	0.202	0.197	98	0.201	102	70-135	2	35	mg/kg	03.26.20 21:54	
o-Xylene	<0.00202	0.101	0.0988	98	0.102	103	71-133	3	35	mg/kg	03.26.20 21:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		108		70-130	%	03.26.20 21:54
4-Bromofluorobenzene	94		92		70-130	%	03.26.20 21:54

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

Seq Number: 3121285 Matrix: Soil Date Prep: 03.27.20

Parent Sample Id: 656968-018 MS Sample Id: 656968-018 S MSD Sample Id: 656968-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.122	121	0.124	123	70-130	2	35	mg/kg	03.27.20 12:29	
Toluene	<0.00202	0.101	0.111	110	0.111	110	70-130	0	35	mg/kg	03.27.20 12:29	
Ethylbenzene	<0.00202	0.101	0.104	103	0.102	101	71-129	2	35	mg/kg	03.27.20 12:29	
m,p-Xylenes	<0.00404	0.202	0.202	100	0.196	97	70-135	3	35	mg/kg	03.27.20 12:29	
o-Xylene	<0.00202	0.101	0.0998	99	0.102	101	71-133	2	35	mg/kg	03.27.20 12:29	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		110		70-130	%	03.27.20 12:29
4-Bromofluorobenzene	86		87		70-130	%	03.27.20 12:29

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

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Chain of Custody

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, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Work Order No: ~~[illegible]~~ 2nd 1st 1656968

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

Work Order Comments

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

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	3.0	Thermometer ID	T-NM-007
Received Intact:	(Yes) No		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Total Containers:	27

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
MW01	S	3/25/20	1150	0.5	1	X	X	X
MW01A			1158	5				
MW01B			1211	10				
MW01C			1215	15				
MW01D			1220	20				
MW01E			1228	25				
MW01F			1230	30				
MW01G			1232	35				
MW01H			1235	37				
MW02	↓	↓	1422	0.5	↓	↓	↓	↓

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/26/20 6:00	2		3/26/20 8:45
3				4		
5				6		

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
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Chain of Custody

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, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

Work Order No: ~~tb56907~~ 605 3122 tb569068

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level ☐ PST/US ☐ TRP ☐ Level V ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	01291922 1	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	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)	Sample Comments
MW02A	S	3/25/20	1425	5	1	X	X	X	
MW02B			1430	10					
MW02C			1432	15					
MW02D			1438	20					
MW02E			1440	25					
MW02F			1445	30					
MW02G			1448	35					
MW02H			1450	37					
BH10			1618	0.5					
BH10A	↓	↓	1625	5	↓	↓	↓	↓	

Work Order Notes

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

ANALYSIS REQUEST

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

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/26/20 8:00am	2		3/26/20 845
3				4		
5				6		

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800

Work Order No: ~~tes le 68~~ 605609 68

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	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 8021)	Chloride (EPA 300.0)
BH10B	S	3/25/20	1628	10	1	X	X	X
BH10C			1630	15				
BH10D			1635	20				
BH10E			1638	25				
BH10F			1640	30				
BH10G			1643	35				
BH10H			1650	37				

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/26/20 8:00	2		3/26/20 8:45
3				4		
5				6		

Revised Date 101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 03.26.2020 08.45.00 AM

Work Order #: 656968

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

Temperature Measuring device used : T-NM-007

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

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

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 03.26.2020

Checklist reviewed by: Jessica Kramer Date: 03.27.2020

Jessica Kramer

Analytical Report 657203

for

LT Environmental, Inc.

Project Manager: Dan Moir

ADU 816

012919221

31-MAR-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)

Released to Imaging: 6/9/2022 4:17:14 PM

31-MAR-20

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

Reference: XENCO Report No(s): **657203**
ADU 816
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657203. 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. 657203 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

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

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

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Sample Cross Reference 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW03	S	03-26-20 09:08	0.5 ft	657203-001
MW03A	S	03-26-20 09:10	5 ft	657203-002
3B	S	03-26-20 09:15	10 ft	657203-003
MW03C	S	03-26-20 09:17	15 ft	657203-004
MW03D	S	03-26-20 09:19	20 ft	657203-005
MW03E	S	03-26-20 09:25	25 ft	657203-006
MW03F	S	03-26-20 09:27	30 ft	657203-007
MW03G	S	03-26-20 09:28	35 ft	657203-008
MW03H	S	03-26-20 09:30	37 ft	657203-009
BH11	S	03-26-20 14:28	0.5 ft	657203-010
BH11A	S	03-26-20 14:30	5 ft	657203-011
BH11B	S	03-26-20 14:35	10 ft	657203-012
BH11C	S	03-26-20 14:37	15 ft	657203-013
BH11D	S	03-26-20 14:47	20 ft	657203-014
BH11E	S	03-26-20 14:49	25 ft	657203-015
BH11F	S	03-26-20 15:08	30 ft	657203-016
BH11G	S	03-26-20 15:11	35 ft	657203-017
BH11H	S	03-26-20 15:20	38 ft	657203-018
BH08	S	03-26-20 16:48	0.5 ft	657203-019
BH08A	S	03-26-20 16:50	5 ft	657203-020
BH08B	S	03-26-20 16:52	10 ft	657203-021
BH08C	S	03-26-20 16:55	15 ft	657203-022
BH08D	S	03-26-20 16:59	20 ft	657203-023
BH08E	S	03-26-20 17:05	25 ft	657203-024
BH08F	S	03-26-20 17:10	30 ft	657203-025
BH08G	S	03-26-20 17:15	35 ft	657203-026
BH08H	S	03-26-20 17:19	37 ft	657203-027

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: ADU 816

Project ID: *012919221*
Work Order Number(s): *657203*

Report Date: *31-MAR-20*
Date Received: *03/27/2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121408 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121410 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analysis Summary 657203

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Fri Mar-27-20 03:40 pm
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657203-001		657203-002		657203-003		657203-004		657203-005		657203-006	
	Field Id:	MW03		MW03A		3B		MW03C		MW03D		MW03E	
	Depth:	0.5- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-26-20 09:08		Mar-26-20 09:10		Mar-26-20 09:15		Mar-26-20 09:17		Mar-26-20 09:19		Mar-26-20 09:25	
BTEX by EPA 8021B	***Extracted:***	Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 08:28	
	Analyzed:	Mar-30-20 14:06		Mar-30-20 14:26		Mar-30-20 14:47		Mar-30-20 15:07		Mar-30-20 15:28		Mar-30-20 15:48	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202
Toluene		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202
Ethylbenzene		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202
m,p-Xylenes		<0.00400	0.00400	<0.00403	0.00403	<0.00396	0.00396	<0.00400	0.00400	<0.00397	0.00397	<0.00404	0.00404
o-Xylene		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202
Total Xylenes		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202
Total BTEX		<0.00200	0.00200	<0.00202	0.00202	<0.00198	0.00198	<0.00200	0.00200	<0.00198	0.00198	<0.00202	0.00202
Chloride by EPA 300	***Extracted:***	Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25	
	Analyzed:	Mar-30-20 11:13		Mar-30-20 11:30		Mar-30-20 11:35		Mar-30-20 11:41		Mar-30-20 11:47		Mar-30-20 11:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		38.5	10.1	309	9.92	378	9.98	250	9.98	136	9.92	860	10.0
TPH by SW8015 Mod	***Extracted:***	Mar-30-20 15:00		Mar-30-20 15:00		Mar-30-20 15:00		Mar-30-20 15:00		Mar-30-20 15:00		Mar-30-20 15:00	
	Analyzed:	Mar-30-20 23:17		Mar-30-20 23:38		Mar-30-20 23:58		Mar-31-20 00:18		Mar-31-20 00:38		Mar-31-20 00:58	
	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	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<49.8	49.8
Total GRO-DRO		<49.9	49.9	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<49.8	49.8
Total TPH		<49.9	49.9	<50.2	50.2	<50.2	50.2	<49.9	49.9	<49.9	49.9	<49.8	49.8

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 657203

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Fri Mar-27-20 03:40 pm
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657203-007		657203-008		657203-009		657203-010		657203-011		657203-012	
	Field Id:	MW03F		MW03G		MW03H		BH11		BH11A		BH11B	
	Depth:	30- ft		35- ft		37- ft		0.5- ft		5- ft		10- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-26-20 09:27		Mar-26-20 09:28		Mar-26-20 09:30		Mar-26-20 14:28		Mar-26-20 14:30		Mar-26-20 14:35	
BTEX by EPA 8021B	***Extracted:***	Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 08:28	
	Analyzed:	Mar-30-20 17:10		Mar-30-20 17:30		Mar-30-20 17:50		Mar-30-20 18:11		Mar-30-20 18:31		Mar-30-20 18:51	
	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	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00404	0.00404	<0.00398	0.00398	<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25	
	Analyzed:	Mar-30-20 11:58		Mar-30-20 12:15		Mar-30-20 12:21		Mar-30-20 12:50		Mar-30-20 12:56		Mar-30-20 13:02	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		269	9.98	341	10.1	244	9.92	<9.96	9.96	663	9.98	355	49.6
TPH by SW8015 Mod	***Extracted:***	Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00	
	Analyzed:	Mar-30-20 17:31		Mar-30-20 18:32		Mar-30-20 18:53		Mar-30-20 19:13		Mar-30-20 19:34		Mar-30-20 19:54	
	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	<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.2	50.2
Diesel Range Organics (DRO)		<50.1	50.1	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.2	50.2
Total GRO-DRO		<50.1	50.1	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.2	50.2
Total TPH		<50.1	50.1	<50.3	50.3	<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.2	50.2

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 657203

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Fri Mar-27-20 03:40 pm
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657203-013		657203-014		657203-015		657203-016		657203-017		657203-018	
	Field Id:	BH11C		BH11D		BH11E		BH11F		BH11G		BH11H	
	Depth:	15- ft		20- ft		25- ft		30- ft		35- ft		38- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-26-20 14:37		Mar-26-20 14:47		Mar-26-20 14:49		Mar-26-20 15:08		Mar-26-20 15:11		Mar-26-20 15:20	
BTEX by EPA 8021B	***Extracted:***	Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 09:32		Mar-30-20 08:28		Mar-30-20 08:28		Mar-30-20 09:32	
	Analyzed:	Mar-30-20 19:12		Mar-30-20 19:32		Mar-30-20 13:08		Mar-30-20 19:53		Mar-30-20 20:13		Mar-30-20 13:28	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00398	0.00398	<0.00399	0.00399	<0.00399	0.00399	<0.00401	0.00401	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 07:25		Mar-30-20 11:31		Mar-30-20 11:31	
	Analyzed:	Mar-30-20 13:07		Mar-30-20 13:13		Mar-30-20 13:19		Mar-30-20 13:24		Mar-30-20 13:59		Mar-30-20 14:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		140	9.98	93.9	10.0	116	10.0	209	10.0	2250	49.8	612	9.96
TPH by SW8015 Mod	***Extracted:***	Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00	
	Analyzed:	Mar-30-20 20:15		Mar-30-20 20:35		Mar-30-20 20:55		Mar-30-20 21:16		Mar-30-20 21:56		Mar-30-20 22:17	
	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	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.1	50.1
Diesel Range Organics (DRO)		<49.9	49.9	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.1	50.1
Total GRO-DRO		<49.9	49.9	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.1	50.1
Total TPH		<49.9	49.9	<50.2	50.2	<50.1	50.1	<49.8	49.8	<50.1	50.1	<50.1	50.1

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 657203

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Fri Mar-27-20 03:40 pm
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657203-019		657203-020		657203-021		657203-022		657203-023		657203-024	
	Field Id:	BH08		BH08A		BH08B		BH08C		BH08D		BH08E	
	Depth:	0.5- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	Mar-26-20 16:48		Mar-26-20 16:50		Mar-26-20 16:52		Mar-26-20 16:55		Mar-26-20 16:59		Mar-26-20 17:05	
BTEX by EPA 8021B	***Extracted:***	Mar-30-20 09:32		Mar-30-20 09:32		Mar-30-20 09:32		Mar-30-20 09:32		Mar-30-20 09:32		Mar-30-20 09:32	
	Analyzed:	Mar-30-20 13:49		Mar-30-20 14:09		Mar-30-20 14:29		Mar-30-20 14:50		Mar-30-20 15:10		Mar-30-20 15:31	
	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	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00401	0.00401	<0.00400	0.00400	<0.00401	0.00401	<0.00399	0.00399
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	Mar-30-20 11:31		Mar-30-20 11:31		Mar-30-20 11:31		Mar-30-20 11:31		Mar-30-20 11:31		Mar-30-20 11:31	
	Analyzed:	Mar-30-20 14:21		Mar-30-20 14:27		Mar-30-20 14:33		Mar-30-20 14:50		Mar-30-20 14:55		Mar-30-20 15:01	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		555	49.6	1530	50.4	5820	50.3	814	9.94	1320	9.90	3520	49.5
TPH by SW8015 Mod	***Extracted:***	Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 13:00	
	Analyzed:	Mar-30-20 22:37		Mar-30-20 22:57		Mar-30-20 23:17		Mar-30-20 23:38		Mar-30-20 23:58		Mar-31-20 00:18	
	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	<49.9	49.9	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Diesel Range Organics (DRO)		<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Total GRO-DRO		<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8
Total TPH		<50.1	50.1	<49.9	49.9	<50.1	50.1	<50.1	50.1	<49.8	49.8	<49.8	49.8

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analysis Summary 657203

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Fri Mar-27-20 03:40 pm
Report Date: 31-MAR-20
Project Manager: Jessica Kramer

Analysis Requested									
	Lab Id:	657203-025		657203-026		657203-027				
	Field Id:	BH08F		BH08G		BH08H				
	Depth:	30- ft		35- ft		37- ft				
	Matrix:	SOIL		SOIL		SOIL				
	Sampled:	Mar-26-20 17:10		Mar-26-20 17:15		Mar-26-20 17:19				
BTEX by EPA 8021B	***Extracted:***	Mar-30-20 09:32		Mar-30-20 09:32		Mar-30-20 09:32				
	Analyzed:	Mar-30-20 15:51		Mar-30-20 16:11		Mar-30-20 17:12				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200			
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200			
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200			
m,p-Xylenes		<0.00400	0.00400	<0.00401	0.00401	<0.00401	0.00401			
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200			
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200			
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200			
Chloride by EPA 300	***Extracted:***	Mar-30-20 11:31		Mar-30-20 11:31		Mar-30-20 11:31				
	Analyzed:	Mar-30-20 15:07		Mar-30-20 15:13		Mar-30-20 15:19				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Chloride		1330	9.98	200	9.88	192	9.98			
TPH by SW8015 Mod	***Extracted:***	Mar-30-20 13:00		Mar-30-20 13:00		Mar-30-20 17:30				
	Analyzed:	Mar-31-20 00:38		Mar-31-20 00:58		Mar-31-20 06:43				
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.0	50.0	<50.2	50.2			
Diesel Range Organics (DRO)		<50.2	50.2	<50.0	50.0	<50.2	50.2			
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.0	50.0	<50.2	50.2			
Total GRO-DRO		<50.2	50.2	<50.0	50.0	<50.2	50.2			
Total TPH		<50.2	50.2	<50.0	50.0	<50.2	50.2			

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Jessica Kramer
Project Manager

Final 1.000

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-001	Date Collected:	03.26.20 09.08	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**38.5**	10.1	mg/kg	03.30.20 11.13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 15.00	Basis:	Wet Weight
Seq Number:	3121443				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.30.20 23.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.30.20 23.17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.30.20 23.17	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.30.20 23.17	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.30.20 23.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.30.20 23.17	
o-Terphenyl	84-15-1	102	%	70-135	03.30.20 23.17	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-001	Date Collected:	03.26.20 09.08	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 14.06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 14.06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 14.06	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.30.20 14.06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 14.06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 14.06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 14.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.30.20 14.06	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 14.06	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03A**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-002	Date Collected:	03.26.20 09.10	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**309**	9.92	mg/kg	03.30.20 11.30		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 15.00	Basis:	Wet Weight
Seq Number:	3121443				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.30.20 23.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.30.20 23.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.30.20 23.38	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.30.20 23.38	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.30.20 23.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.30.20 23.38	
o-Terphenyl	84-15-1	102	%	70-135	03.30.20 23.38	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03A**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-002	Date Collected:	03.26.20 09.10	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.30.20 14.26	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.30.20 14.26	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.30.20 14.26	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.30.20 14.26	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.30.20 14.26	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.30.20 14.26	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.30.20 14.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 14.26	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.30.20 14.26	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**3B**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-003	Date Collected:	03.26.20 09.15	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**378**	9.98	mg/kg	03.30.20 11.35		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 15.00	Basis:	Wet Weight
Seq Number:	3121443				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.30.20 23.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.30.20 23.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.30.20 23.58	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.30.20 23.58	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.30.20 23.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.30.20 23.58	
o-Terphenyl	84-15-1	104	%	70-135	03.30.20 23.58	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**3B**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-003	Date Collected:	03.26.20 09.15	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.30.20 14.47	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.30.20 14.47	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.30.20 14.47	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.30.20 14.47	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.30.20 14.47	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.30.20 14.47	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.30.20 14.47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.30.20 14.47	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 14.47	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03C**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-004	Date Collected:	03.26.20 09.17	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**250**	9.98	mg/kg	03.30.20 11.41		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 15.00	Basis:	Wet Weight
Seq Number:	3121443				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.31.20 00.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.31.20 00.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.31.20 00.18	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.31.20 00.18	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.31.20 00.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	03.31.20 00.18	
o-Terphenyl	84-15-1	99	%	70-135	03.31.20 00.18	

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ADU 816

Sample Id:	**MW03C**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-004	Date Collected:	03.26.20 09.17	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 15.07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 15.07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 15.07	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.30.20 15.07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 15.07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 15.07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 15.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.30.20 15.07	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 15.07	

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ADU 816

Sample Id:	**MW03D**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-005	Date Collected:	03.26.20 09.19	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**136**	9.92	mg/kg	03.30.20 11.47		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 15.00	Basis:	Wet Weight
Seq Number:	3121443				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.31.20 00.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.31.20 00.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.31.20 00.38	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.31.20 00.38	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.31.20 00.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	03.31.20 00.38	
o-Terphenyl	84-15-1	96	%	70-135	03.31.20 00.38	

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ADU 816

Sample Id:	**MW03D**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-005	Date Collected:	03.26.20 09.19	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.30.20 15.28	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.30.20 15.28	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.30.20 15.28	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.30.20 15.28	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.30.20 15.28	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.30.20 15.28	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.30.20 15.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.30.20 15.28	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.30.20 15.28	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03E**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-006	Date Collected:	03.26.20 09.25	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**860**	10.0	mg/kg	03.30.20 11.52		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 15.00	Basis:	Wet Weight
Seq Number:	3121443				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.31.20 00.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.31.20 00.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.31.20 00.58	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	03.31.20 00.58	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.31.20 00.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.31.20 00.58	
o-Terphenyl	84-15-1	105	%	70-135	03.31.20 00.58	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03E**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-006	Date Collected:	03.26.20 09.25	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.30.20 15.48	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.30.20 15.48	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.30.20 15.48	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.30.20 15.48	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.30.20 15.48	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.30.20 15.48	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.30.20 15.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 15.48	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.30.20 15.48	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03F**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-007	Date Collected:	03.26.20 09.27	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**269**	9.98	mg/kg	03.30.20 11.58		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 17.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 17.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 17.31	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 17.31	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 17.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.30.20 17.31	
o-Terphenyl	84-15-1	106	%	70-135	03.30.20 17.31	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03F**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-007	Date Collected:	03.26.20 09.27	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.30.20 17.10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.30.20 17.10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.30.20 17.10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.30.20 17.10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.30.20 17.10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.30.20 17.10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.30.20 17.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	03.30.20 17.10	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.30.20 17.10	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03G**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-008	Date Collected:	03.26.20 09.28	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**341**	10.1	mg/kg	03.30.20 12.15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	03.30.20 18.32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	03.30.20 18.32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	03.30.20 18.32	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	03.30.20 18.32	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	03.30.20 18.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	03.30.20 18.32	
o-Terphenyl	84-15-1	99	%	70-135	03.30.20 18.32	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03G**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-008	Date Collected:	03.26.20 09.28	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.30.20 17.30	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.30.20 17.30	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.30.20 17.30	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.30.20 17.30	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.30.20 17.30	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.30.20 17.30	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.30.20 17.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 17.30	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.30.20 17.30	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03H**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-009	Date Collected:	03.26.20 09.30	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**244**	9.92	mg/kg	03.30.20 12.21		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 18.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 18.53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 18.53	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 18.53	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 18.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	03.30.20 18.53	
o-Terphenyl	84-15-1	102	%	70-135	03.30.20 18.53	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**MW03H**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-009	Date Collected:	03.26.20 09.30	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.30.20 17.50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.30.20 17.50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.30.20 17.50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.30.20 17.50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.30.20 17.50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.30.20 17.50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.30.20 17.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.30.20 17.50	
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.30.20 17.50	

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ADU 816

Sample Id:	**BH11**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-010	Date Collected:	03.26.20 14.28	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.30.20 12.50	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.30.20 19.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.30.20 19.13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.30.20 19.13	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.30.20 19.13	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.30.20 19.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	03.30.20 19.13	
o-Terphenyl	84-15-1	100	%	70-135	03.30.20 19.13	

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ADU 816

Sample Id:	**BH11**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-010	Date Collected:	03.26.20 14.28	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 18.11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 18.11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 18.11	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.20 18.11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 18.11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 18.11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 18.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.30.20 18.11	
1,4-Difluorobenzene	540-36-3	117	%	70-130	03.30.20 18.11	

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ADU 816

Sample Id:	**BH11A**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-011	Date Collected:	03.26.20 14.30	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**663**	9.98	mg/kg	03.30.20 12.56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 19.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 19.34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 19.34	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 19.34	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 19.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	03.30.20 19.34	
o-Terphenyl	84-15-1	101	%	70-135	03.30.20 19.34	

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ADU 816

Sample Id:	**BH11A**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-011	Date Collected:	03.26.20 14.30	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.30.20 18.31	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.30.20 18.31	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.30.20 18.31	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.30.20 18.31	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.30.20 18.31	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.30.20 18.31	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.30.20 18.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.30.20 18.31	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.30.20 18.31	

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ADU 816

Sample Id:	**BH11B**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-012	Date Collected:	03.26.20 14.35	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**355**	49.6	mg/kg	03.30.20 13.02		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.30.20 19.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.30.20 19.54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.30.20 19.54	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.30.20 19.54	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.30.20 19.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	03.30.20 19.54	
o-Terphenyl	84-15-1	100	%	70-135	03.30.20 19.54	

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ADU 816

Sample Id:	**BH11B**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-012	Date Collected:	03.26.20 14.35	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 18.51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 18.51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 18.51	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.30.20 18.51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 18.51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 18.51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 18.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.30.20 18.51	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 18.51	

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ADU 816

Sample Id:	**BH11C**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-013	Date Collected:	03.26.20 14.37	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**140**	9.98	mg/kg	03.30.20 13.07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.30.20 20.15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.30.20 20.15	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.30.20 20.15	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.30.20 20.15	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.30.20 20.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.30.20 20.15	
o-Terphenyl	84-15-1	108	%	70-135	03.30.20 20.15	

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ADU 816

Sample Id:	**BH11C**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-013	Date Collected:	03.26.20 14.37	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.30.20 19.12	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.30.20 19.12	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.30.20 19.12	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.30.20 19.12	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.30.20 19.12	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.30.20 19.12	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.30.20 19.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.30.20 19.12	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 19.12	

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ADU 816

Sample Id:	**BH11D**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-014	Date Collected:	03.26.20 14.47	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**93.9**	10.0	mg/kg	03.30.20 13.13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.30.20 20.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.30.20 20.35	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.30.20 20.35	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.30.20 20.35	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.30.20 20.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.30.20 20.35	
o-Terphenyl	84-15-1	104	%	70-135	03.30.20 20.35	

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ADU 816

Sample Id:	**BH11D**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-014	Date Collected:	03.26.20 14.47	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.30.20 19.32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.30.20 19.32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.30.20 19.32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.30.20 19.32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.30.20 19.32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.30.20 19.32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.30.20 19.32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.30.20 19.32	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.30.20 19.32	

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ADU 816

Sample Id:	**BH11E**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-015	Date Collected:	03.26.20 14.49	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**116**	10.0	mg/kg	03.30.20 13.19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 20.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 20.55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 20.55	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 20.55	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 20.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.30.20 20.55	
o-Terphenyl	84-15-1	106	%	70-135	03.30.20 20.55	

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ADU 816

Sample Id:	**BH11E**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-015	Date Collected:	03.26.20 14.49	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 13.08	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 13.08	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 13.08	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.20 13.08	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 13.08	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 13.08	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 13.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	03.30.20 13.08	
1,4-Difluorobenzene	540-36-3	104	%	70-130	03.30.20 13.08	

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Sample Id:	**BH11F**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-016	Date Collected:	03.26.20 15.08	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 07.25	Basis:	Wet Weight
Seq Number:	3121414				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**209**	10.0	mg/kg	03.30.20 13.24		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.30.20 21.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.30.20 21.16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.30.20 21.16	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	03.30.20 21.16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.30.20 21.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.30.20 21.16	
o-Terphenyl	84-15-1	105	%	70-135	03.30.20 21.16	

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Sample Id:	**BH11F**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-016	Date Collected:	03.26.20 15.08	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 19.53	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 19.53	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 19.53	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.20 19.53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 19.53	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 19.53	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 19.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	03.30.20 19.53	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.30.20 19.53	

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Sample Id:	**BH11G**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-017	Date Collected:	03.26.20 15.11	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2250**	49.8	mg/kg	03.30.20 13.59		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 21.56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 21.56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 21.56	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 21.56	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 21.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	03.30.20 21.56	
o-Terphenyl	84-15-1	104	%	70-135	03.30.20 21.56	

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Sample Id:	**BH11G**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-017	Date Collected:	03.26.20 15.11	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 08.28	Basis:	Wet Weight
Seq Number:	3121408				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 20.13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 20.13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 20.13	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.30.20 20.13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 20.13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 20.13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 20.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.30.20 20.13	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.30.20 20.13	

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Sample Id:	**BH11H**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-018	Date Collected:	03.26.20 15.20	Sample Depth:	38 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**612**	9.96	mg/kg	03.30.20 14.16		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 22.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 22.17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 22.17	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 22.17	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 22.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	03.30.20 22.17	
o-Terphenyl	84-15-1	108	%	70-135	03.30.20 22.17	

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Sample Id:	**BH11H**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-018	Date Collected:	03.26.20 15.20	Sample Depth:	38 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 13.28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 13.28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 13.28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.20 13.28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 13.28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 13.28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 13.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	03.30.20 13.28	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.30.20 13.28	

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Sample Id:	**BH08**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-019	Date Collected:	03.26.20 16.48	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**555**	49.6	mg/kg	03.30.20 14.21		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 22.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 22.37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 22.37	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 22.37	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 22.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	03.30.20 22.37	
o-Terphenyl	84-15-1	102	%	70-135	03.30.20 22.37	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-019	Date Collected:	03.26.20 16.48	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 13.49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 13.49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 13.49	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.20 13.49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 13.49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 13.49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 13.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	03.30.20 13.49	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.30.20 13.49	

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ADU 816

Sample Id:	**BH08A**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-020	Date Collected:	03.26.20 16.50	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1530**	50.4	mg/kg	03.30.20 14.27		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.30.20 22.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.30.20 22.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.30.20 22.57	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.30.20 22.57	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.30.20 22.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	03.30.20 22.57	
o-Terphenyl	84-15-1	104	%	70-135	03.30.20 22.57	

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Sample Id:	**BH08A**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-020	Date Collected:	03.26.20 16.50	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 14.09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 14.09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 14.09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.20 14.09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 14.09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 14.09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 14.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.30.20 14.09	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.30.20 14.09	

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ADU 816

Sample Id: **BH08B** Matrix: Soil Date Received:03.27.20 15.40

Lab Sample Id: 657203-021 Date Collected: 03.26.20 16.52 Sample Depth: 10 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 03.30.20 11.31 Basis: Wet Weight

Seq Number: 3121417

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5820**	50.3	mg/kg	03.30.20 14.33		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P

Tech: DTH % Moisture:

Analyst: DTH Date Prep: 03.30.20 13.00 Basis: Wet Weight

Seq Number: 3121425

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 23.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 23.17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 23.17	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 23.17	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 23.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.30.20 23.17	
o-Terphenyl	84-15-1	105	%	70-135	03.30.20 23.17	

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Sample Id:	**BH08B**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-021	Date Collected:	03.26.20 16.52	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 14.29	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 14.29	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 14.29	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.30.20 14.29	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 14.29	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 14.29	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 14.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.30.20 14.29	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.30.20 14.29	

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ADU 816

Sample Id:	**BH08C**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-022	Date Collected:	03.26.20 16.55	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**814**	9.94	mg/kg	03.30.20 14.50		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	03.30.20 23.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	03.30.20 23.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	03.30.20 23.38	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	03.30.20 23.38	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	03.30.20 23.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	03.30.20 23.38	
o-Terphenyl	84-15-1	110	%	70-135	03.30.20 23.38	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08C**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-022	Date Collected:	03.26.20 16.55	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 14.50	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 14.50	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 14.50	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.30.20 14.50	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 14.50	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 14.50	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 14.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.30.20 14.50	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.30.20 14.50	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08D**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-023	Date Collected:	03.26.20 16.59	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1320**	9.90	mg/kg	03.30.20 14.55		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.30.20 23.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.30.20 23.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.30.20 23.58	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	03.30.20 23.58	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.30.20 23.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	03.30.20 23.58	
o-Terphenyl	84-15-1	105	%	70-135	03.30.20 23.58	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08D**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-023	Date Collected:	03.26.20 16.59	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 15.10	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 15.10	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 15.10	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.30.20 15.10	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 15.10	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 15.10	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 15.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.30.20 15.10	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.30.20 15.10	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08E**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-024	Date Collected:	03.26.20 17.05	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3520**	49.5	mg/kg	03.30.20 15.01		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	03.31.20 00.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	03.31.20 00.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	03.31.20 00.18	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	03.31.20 00.18	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	03.31.20 00.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.31.20 00.18	
o-Terphenyl	84-15-1	108	%	70-135	03.31.20 00.18	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08E**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-024	Date Collected:	03.26.20 17.05	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 15.31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 15.31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 15.31	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.20 15.31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 15.31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 15.31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 15.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.30.20 15.31	
1,4-Difluorobenzene	540-36-3	109	%	70-130	03.30.20 15.31	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08F**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-025	Date Collected:	03.26.20 17.10	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1330**	9.98	mg/kg	03.30.20 15.07		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.31.20 00.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.31.20 00.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.31.20 00.38	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.31.20 00.38	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.31.20 00.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.31.20 00.38	
o-Terphenyl	84-15-1	107	%	70-135	03.31.20 00.38	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08F**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-025	Date Collected:	03.26.20 17.10	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 15.51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 15.51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 15.51	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.30.20 15.51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 15.51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 15.51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 15.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.30.20 15.51	
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.30.20 15.51	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08G**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-026	Date Collected:	03.26.20 17.15	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**200**	9.88	mg/kg	03.30.20 15.13		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 13.00	Basis:	Wet Weight
Seq Number:	3121425				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.31.20 00.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	03.31.20 00.58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.31.20 00.58	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	03.31.20 00.58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	03.31.20 00.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	03.31.20 00.58	
o-Terphenyl	84-15-1	102	%	70-135	03.31.20 00.58	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08G**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-026	Date Collected:	03.26.20 17.15	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 16.11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 16.11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 16.11	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.30.20 16.11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 16.11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 16.11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 16.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.30.20 16.11	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.30.20 16.11	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08H**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-027	Date Collected:	03.26.20 17.19	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 11.31	Basis:	Wet Weight
Seq Number:	3121417				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**192**	9.98	mg/kg	03.30.20 15.19		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.30.20 17.30	Basis:	Wet Weight
Seq Number:	3121465				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	03.31.20 06.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	03.31.20 06.43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	03.31.20 06.43	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	03.31.20 06.43	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	03.31.20 06.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	03.31.20 06.43	
o-Terphenyl	84-15-1	114	%	70-135	03.31.20 06.43	

Certificate of Analytical Results 657203

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH08H**	Matrix:	Soil	Date Received:	03.27.20 15.40
Lab Sample Id:	657203-027	Date Collected:	03.26.20 17.19	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.20 09.32	Basis:	Wet Weight
Seq Number:	3121410				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.20 17.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.20 17.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.20 17.12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.30.20 17.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.20 17.12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.20 17.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.20 17.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.30.20 17.12	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.30.20 17.12	

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

Released to Imaging: 6/9/2022 4:17:14 PM

QC Summary 657203

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121414 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700053-1-BLK — LCS Sample Id: 7700053-1-BKS — LCSD Sample Id: 7700053-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	260	104	261	104	90-110	0	20	mg/kg	03.30.20 10:27	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121417 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700056-1-BLK — LCS Sample Id: 7700056-1-BKS — LCSD Sample Id: 7700056-1-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	261	104	262	105	90-110	0	20	mg/kg	03.30.20 13:47	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121414 — Matrix: Soil — Date Prep: 03.30.20
Parent Sample Id: 657202-001 — MS Sample Id: 657202-001 S — MSD Sample Id: 657202-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	35.8	200	228	96	227	96	90-110	0	20	mg/kg	03.30.20 10:44	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121414 — Matrix: Soil — Date Prep: 03.30.20
Parent Sample Id: 657203-007 — MS Sample Id: 657203-007 S — MSD Sample Id: 657203-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	269	200	486	109	477	106	90-110	2	20	mg/kg	03.30.20 12:04	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121417 — Matrix: Soil — Date Prep: 03.30.20
Parent Sample Id: 657203-017 — MS Sample Id: 657203-017 S — MSD Sample Id: 657203-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2250	202	2440	94	2450	99	90-110	0	20	mg/kg	03.30.20 14:04	

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 657203

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121417 — Matrix: Soil — Date Prep: 03.30.20
Parent Sample Id: 657203-027 — MS Sample Id: 657203-027 S — MSD Sample Id: 657203-027 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	192	200	403	106	403	106	90-110	0	20	mg/kg	03.30.20 15:25	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121425 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700130-1-BLK — LCS Sample Id: 7700130-1-BKS — LCSD Sample Id: 7700130-1-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	982	98	1050	105	70-135	7	35	mg/kg	03.30.20 16:50	
Diesel Range Organics (DRO)	<50.0	1000	920	92	993	99	70-135	8	35	mg/kg	03.30.20 16:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		112		121		70-135	%	03.30.20 16:50
o-Terphenyl	121		112		122		70-135	%	03.30.20 16:50

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121443 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700134-1-BLK — LCS Sample Id: 7700134-1-BKS — LCSD Sample Id: 7700134-1-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	982	98	1050	105	70-135	7	35	mg/kg	03.30.20 16:50	
Diesel Range Organics (DRO)	<50.0	1000	920	92	993	99	70-135	8	35	mg/kg	03.30.20 16:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		112		121		70-135	%	03.30.20 16:50
o-Terphenyl	121		112		122		70-135	%	03.30.20 16:50

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121465 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700158-1-BLK — LCS Sample Id: 7700158-1-BKS — LCSD Sample Id: 7700158-1-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	926	93	868	87	70-135	6	35	mg/kg	03.31.20 02:40	
Diesel Range Organics (DRO)	<50.0	1000	873	87	826	83	70-135	6	35	mg/kg	03.31.20 02:40	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		107		102		70-135	%	03.31.20 02:40
o-Terphenyl	96		105		101		70-135	%	03.31.20 02:40

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 657203

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121425 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700130-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.30.20 16:29	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121443 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700134-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.30.20 16:29	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121465 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700158-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.31.20 02:19	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121425 — Matrix: Soil — Date Prep: 03.30.20
Parent Sample Id: 657203-007 — MS Sample Id: 657203-007 S — MSD Sample Id: 657203-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	1030	102	1050	104	70-135	2	35	mg/kg	03.30.20 17:51	
Diesel Range Organics (DRO)	<50.3	1010	1190	118	1080	107	70-135	10	35	mg/kg	03.30.20 17:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		118		70-135	%	03.30.20 17:51
o-Terphenyl	112		115		70-135	%	03.30.20 17:51

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 657203

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3121443 | Matrix: Soil | Date Prep: 03.30.20
Parent Sample Id: 657294-001 | MS Sample Id: 657294-001 S | MSD Sample Id: 657294-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.3	1010	937	93	901	90	70-135	4	35	mg/kg	03.30.20 17:51	
Diesel Range Organics (DRO)	<50.3	1010	1080	107	1020	102	70-135	6	35	mg/kg	03.30.20 17:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		100		70-135	%	03.30.20 17:51
o-Terphenyl	98		95		70-135	%	03.30.20 17:51

Analytical Method: TPH by SW8015 Mod | Prep Method: SW8015P
Seq Number: 3121465 | Matrix: Soil | Date Prep: 03.30.20
Parent Sample Id: 657334-007 | MS Sample Id: 657334-007 S | MSD Sample Id: 657334-007 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)	<50.2	1000	1140	114	1040	104	70-135	9	35	mg/kg	03.31.20 03:40	
Diesel Range Organics (DRO)	<50.2	1000	1150	115	1050	105	70-135	9	35	mg/kg	03.31.20 03:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	123		119		70-135	%	03.31.20 03:40
o-Terphenyl	125		114		70-135	%	03.31.20 03:40

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3121408 | Matrix: Solid | Date Prep: 03.30.20
MB Sample Id: 7700093-1-BLK | LCS Sample Id: 7700093-1-BKS | LCSD Sample Id: 7700093-1-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	0.121	121	0.117	117	70-130	3	35	mg/kg	03.30.20 10:42	
Toluene	<0.00200	0.100	0.120	120	0.126	126	70-130	5	35	mg/kg	03.30.20 10:42	
Ethylbenzene	<0.00200	0.100	0.113	113	0.118	118	71-129	4	35	mg/kg	03.30.20 10:42	
m,p-Xylenes	<0.00400	0.200	0.218	109	0.230	115	70-135	5	35	mg/kg	03.30.20 10:42	
o-Xylene	<0.00200	0.100	0.110	110	0.115	115	71-133	4	35	mg/kg	03.30.20 10:42	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	114		109		109		70-130	%	03.30.20 10:42
4-Bromofluorobenzene	89		85		85		70-130	%	03.30.20 10:42

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 657203

LT Environmental, Inc.

ADU 816

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121410 — Matrix: Solid — Date Prep: 03.30.20
MB Sample Id: 7700094-1-BLK — LCS Sample Id: 7700094-1-BKS — LCSD Sample Id: 7700094-1-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	0.112	112	0.110	110	70-130	2	35	mg/kg	03.30.20 11:26	
Toluene	<0.00200	0.100	0.107	107	0.104	104	70-130	3	35	mg/kg	03.30.20 11:26	
Ethylbenzene	<0.00200	0.100	0.102	102	0.0995	100	71-129	2	35	mg/kg	03.30.20 11:26	
m,p-Xylenes	<0.00400	0.200	0.210	105	0.206	103	70-135	2	35	mg/kg	03.30.20 11:26	
o-Xylene	<0.00200	0.100	0.105	105	0.104	104	71-133	1	35	mg/kg	03.30.20 11:26	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		107		107		70-130	%	03.30.20 11:26
4-Bromofluorobenzene	97		91		92		70-130	%	03.30.20 11:26

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121408 — Matrix: Soil — Date Prep: 03.30.20
Parent Sample Id: 657202-001 — MS Sample Id: 657202-001 S — MSD Sample Id: 657202-001 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	0.0892	89	0.125	125	70-130	33	35	mg/kg	03.30.20 11:23	
Toluene	<0.00200	0.100	0.0952	95	0.102	102	70-130	7	35	mg/kg	03.30.20 11:23	
Ethylbenzene	<0.00200	0.100	0.0792	79	0.0746	75	71-129	6	35	mg/kg	03.30.20 11:23	
m,p-Xylenes	<0.00401	0.200	0.158	79	0.143	72	70-135	10	35	mg/kg	03.30.20 11:23	
o-Xylene	<0.00200	0.100	0.0892	89	0.0722	72	71-133	21	35	mg/kg	03.30.20 11:23	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		110		70-130	%	03.30.20 11:23
4-Bromofluorobenzene	84		82		70-130	%	03.30.20 11:23

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121410 — Matrix: Soil — Date Prep: 03.30.20
Parent Sample Id: 657203-015 — MS Sample Id: 657203-015 S — MSD Sample Id: 657203-015 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	0.118	118	0.103	103	70-130	14	35	mg/kg	03.30.20 12:07	
Toluene	<0.00200	0.100	0.113	113	0.0997	100	70-130	13	35	mg/kg	03.30.20 12:07	
Ethylbenzene	<0.00200	0.100	0.107	107	0.0950	95	71-129	12	35	mg/kg	03.30.20 12:07	
m,p-Xylenes	<0.00401	0.200	0.221	111	0.197	99	70-135	11	35	mg/kg	03.30.20 12:07	
o-Xylene	<0.00200	0.100	0.110	110	0.0983	98	71-133	11	35	mg/kg	03.30.20 12:07	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		107		70-130	%	03.30.20 12:07
4-Bromofluorobenzene	94		94		70-130	%	03.30.20 12:07

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

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Chain of Custody

Work Order No: 657203

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☑
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Temperature (°C):	4.2	Thermometer ID	T-NM-007
Received Intact:	(Yes) No	Correction Factor:	-0.2
Cooler Custody Seals:	Yes (No) N/A	Total Containers:	27
Sample Custody Seals:	Yes (No) N/A		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)
MW03	S	3/26/20	0908	0.5	1	X	X	X
MW03A			0910	5				
MW03B			0915	10				
MW03C			0917	15				
MW03D			0919	20				
MW03E			0925	25				
MW03F			0927	30				
MW03G			0928	35				
MW03H			0930	37				
BH11	↓	↓	1428	0.5	↓	↓	↓	↓

Work Order Notes

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

Sample Comments

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Fatima		3/27/20 3:23PM	2			3/27/20 1540
3				4			
5				6			

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
Final 1.000
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Chain of Custody

Work Order No: 657203

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	01291922I	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

SAMPLE RECEIPT				
Temperature (°C):		Temp Blank: Yes No	Wet Ice: Yes No	
Received Intact:	Yes No	Thermometer ID		
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)
BH11A	S	3/26/20	1430	5	1	X	X	X
BH11B			1435	10				
BH11C			1437	15				
BH11D			1447	20				
BH11E			1449	25				
BH11F			1508	30				
BH11G			1511	35				
BH11H			1520	38				
BH08			1648	0.5				
BH08A	↓	↓	1650	5	↓	↓	↓	↓

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/27/20 3:23PM	2			3/27/20 1540
3				4			
5				6			

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
Final 1.000
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Chain of Custody

Work Order No: 657203

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, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
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Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian Office	Company Name:	XTO Energy, Inc.
Address:	3300 North A Street	Address:	3104 E Greene St
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(432) 236-3849	Email:	fsmith@ltenv.com, dmoir@ltenv.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level ☐ PST/US ☐ TRP ☐ Level V ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	01291922I	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	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)
BH08B	S	3/26/20	1652	10	1	X	X	X
BH08C			1655	15				
BH08D			1659	20				
BH08E			1705	25				
BH08F			1710	30				
BH08G			1715	35				
BH08H	↓	↓	1719	37	↓	↓	↓	↓

Work Order Notes

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

Sample Comments

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/27/20 3:23 PM	2		3/27/201540
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
Final 1.000
Page 72 of 73

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 03.27.2020 03.40.00 PM

Work Order #: 657203

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)?	4.2
#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: Elizabeth McClellan Date: 03.27.2020

Checklist reviewed by: Jessica Kramer Date: 03.31.2020

Jessica Kramer

Analytical Report 657244

for

LT Environmental, Inc.

Project Manager: Dan Moir

ADU 816

012919221

04.06.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

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

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

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

Released to Imaging: 6/9/2022 4:17:14 PM

04.06.2020

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

Reference: XENCO Report No(s): **657244**
ADU 816
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657244. 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. 657244 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH13	S	03.27.2020 12:38	0.5 ft	657244-001
BH13A	S	03.27.2020 12:40	5 ft	657244-002
BH13B	S	03.27.2020 12:41	10 ft	657244-003
BH13C	S	03.27.2020 13:08	15 ft	657244-004
BH13D	S	03.27.2020 13:10	20 ft	657244-005
BH13E	S	03.27.2020 13:12	25 ft	657244-006
BH13F	S	03.27.2020 13:14	30 ft	657244-007
BH13G	S	03.27.2020 13:27	35 ft	657244-008
BH13H	S	03.27.2020 13:30	37 ft	657244-009
BH09	S	03.27.2020 14:42	0.5 ft	657244-010
BH09A	S	03.27.2020 14:48	5 ft	657244-011
BH09B	S	03.27.2020 14:55	10 ft	657244-012
BH09C	S	03.27.2020 14:57	15 ft	657244-013
BH09D	S	03.27.2020 15:16	20 ft	657244-014
BH09E	S	03.27.2020 15:20	25 ft	657244-015
BH09F	S	03.27.2020 15:25	30 ft	657244-016
BH09G	S	03.27.2020 15:48	35 ft	657244-017
BH09H	S	03.27.2020 15:16	37 ft	657244-018
BH14	S	03.28.2020 08:33	0.5 ft	657244-019
BH14A	S	03.28.2020 08:35	5 ft	657244-020
BH14B	S	03.28.2020 08:42	10 ft	657244-021
BH14C	S	03.28.2020 08:50	15 ft	657244-022
BH14D	S	03.28.2020 08:53	20 ft	657244-023
BH14E	S	03.28.2020 09:03	25 ft	657244-024
BH14F	S	03.28.2020 09:14	30 ft	657244-025
BH14G	S	03.28.2020 09:28	35 ft	657244-026
BH14H	S	03.28.2020 09:30	37 ft	657244-027
MW05	S	03.28.2020 10:18	0.5 ft	657244-028
MW05A	S	03.28.2020 10:20	5 ft	657244-029
MW05B	S	03.28.2020 10:36	10 ft	657244-030
MW05C	S	03.28.2020 10:39	15 ft	657244-031
MW05D	S	03.28.2020 10:50	20 ft	657244-032
MW05E	S	03.28.2020 11:01	25 ft	657244-033
MW05F	S	03.28.2020 11:03	30 ft	657244-034
MW05G	S	03.28.2020 11:17	35 ft	657244-035
MW05H	S	03.28.2020 11:18	37 ft	657244-036
BH12	S	03.28.2020 15:11	0.5 ft	657244-037
BH12A	S	03.28.2020 15:12	5 ft	657244-038
BH12B	S	03.28.2020 15:14	10 ft	657244-039
BH12C	S	03.28.2020 15:17	15 ft	657244-040
BH12D	S	03.28.2020 15:20	20 ft	657244-041
BH12E	S	03.28.2020 15:22	25 ft	657244-042
BH12F	S	03.28.2020 15:25	30 ft	657244-043

Sample Cross Reference 657244

LT Environmental, Inc., Arvada, CO

ADU 816

BH12G	S	03.28.2020 15:35	35 ft	657244-044
BH12H	S	03.28.2020 15:37	37 ft	657244-045
BH19	S	03.29.2020 11:08	0.5 ft	657244-046
BH19A	S	03.29.2020 11:10	5 ft	657244-047
BH19B	S	03.29.2020 11:16	10 ft	657244-048
BH19C	S	03.29.2020 11:18	15 ft	657244-049
BH19D	S	03.29.2020 11:22	20 ft	657244-050
BH19E	S	03.29.2020 11:24	25 ft	657244-051
BH19F	S	03.29.2020 11:32	30 ft	657244-052
BH19G	S	03.29.2020 11:34	35 ft	657244-053
BH19H	S	03.29.2020 11:41	37 ft	657244-054

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: ADU 816

Project ID: *012919221*
Work Order Number(s): *657244*

Report Date: *04.06.2020*
Date Received: *03.30.2020*

Sample receipt non conformances and comments:

V1.001 Revision (client email) Corrected sample depths for BH13, BH09, and BH14. JK 04/06/20

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121560 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121562 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121568 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3121835 BTEX by EPA 8021B
Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657244-001		657244-002		657244-003		657244-004		657244-005		657244-006	
	Field Id:	BH13		BH13A		BH13B		BH13C		BH13D		BH13E	
	Depth:	0.5- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.27.2020 12:38		03.27.2020 12:40		03.27.2020 12:41		03.27.2020 13:08		03.27.2020 13:10		03.27.2020 13:12	
BTEX by EPA 8021B	Extracted:	03.30.2020 19:44		03.30.2020 19:44		03.30.2020 19:44		03.30.2020 19:44		03.30.2020 19:44		03.30.2020 19:44	
	Analyzed:	03.31.2020 15:56		03.31.2020 16:17		03.31.2020 16:37		03.31.2020 16:58		03.31.2020 17:18		03.31.2020 17:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00399	0.00399	<0.00399	0.00399	<0.00402	0.00402	<0.00396	0.00396	<0.00400	0.00400	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00200	0.00200	0.00201	0.00201
Chloride by EPA 300	Extracted:	03.31.2020 07:56		03.31.2020 07:56		03.31.2020 07:56		03.31.2020 07:56		03.31.2020 07:56		03.31.2020 07:56	
	Analyzed:	03.31.2020 10:09		03.31.2020 10:26		03.31.2020 10:32		03.31.2020 10:49		03.31.2020 10:54		03.31.2020 11:00	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		<9.96	9.96	189	10.1	624	49.9	658	49.6	760	49.9	513	49.9
TPH by SW8015 Mod	Extracted:	03.31.2020 13:40		03.31.2020 13:40		03.31.2020 13:40		03.31.2020 13:40		03.31.2020 13:40		03.31.2020 13:40	
	Analyzed:	03.31.2020 20:23		03.31.2020 20:43		03.31.2020 21:03		04.01.2020 09:17		04.01.2020 09:38		04.01.2020 09:58	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		67.4	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Total GRO-DRO		67.4	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0
Total TPH		67.4	50.0	<49.9	49.9	<49.9	49.9	<49.8	49.8	<50.0	50.0	<50.0	50.0

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

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657244-007		657244-008		657244-009		657244-010		657244-011		657244-012	
	Field Id:	BH13F		BH13G		BH13H		BH09		BH09A		BH09B	
	Depth:	30- ft		35- ft		37- ft		0.5- ft		5- ft		10- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.27.2020 13:14		03.27.2020 13:27		03.27.2020 13:30		03.27.2020 14:42		03.27.2020 14:48		03.27.2020 14:55	
BTEX by EPA 8021B	Extracted:	03.30.2020 19:44		03.30.2020 19:44		03.30.2020 19:47		03.30.2020 19:44		03.30.2020 19:44		03.30.2020 19:47	
	Analyzed:	03.31.2020 11:11		03.31.2020 17:59		03.31.2020 09:32		03.31.2020 18:19		03.31.2020 18:40		03.31.2020 12:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00403	0.00403	<0.00403	0.00403	<0.00402	0.00402	<0.00402	0.00402	<0.00401	0.00401	<0.00397	0.00397
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00201	0.00201	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198
Chloride by EPA 300	Extracted:	03.31.2020 07:56		03.31.2020 07:56		03.31.2020 07:56		03.31.2020 07:56		03.30.2020 18:02		03.30.2020 18:02	
	Analyzed:	03.31.2020 11:06		03.31.2020 11:11		03.31.2020 11:17		03.31.2020 11:23		03.31.2020 01:25		03.31.2020 07:59	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		397	49.9	281	9.96	306	9.92	34.0	9.92	21.0	9.98	<10.0	10.0
TPH by SW8015 Mod	Extracted:	03.31.2020 13:40		03.31.2020 17:30		03.31.2020 17:30		03.31.2020 17:30		03.31.2020 17:30		03.31.2020 17:30	
	Analyzed:	04.01.2020 10:18		04.01.2020 18:49		04.01.2020 19:09		04.01.2020 19:33		04.01.2020 19:54		04.01.2020 20:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9
Diesel Range Organics (DRO)		<50.0	50.0	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9
Total GRO-DRO		<50.0	50.0	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9
Total TPH		<50.0	50.0	<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
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Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657244-013		657244-014		657244-015		657244-016		657244-017		657244-018	
	Field Id:	BH09C		BH09D		BH09E		BH09F		BH09G		BH09H	
	Depth:	15- ft		20- ft		25- ft		30- ft		35- ft		37- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.27.2020 14:57		03.27.2020 15:16		03.27.2020 15:20		03.27.2020 15:25		03.27.2020 15:48		03.27.2020 15:16	
BTEX by EPA 8021B	Extracted:	03.30.2020 19:47		03.30.2020 19:47		03.30.2020 19:47		03.30.2020 19:47		03.30.2020 19:47		03.30.2020 19:47	
	Analyzed:	03.31.2020 13:37		03.31.2020 13:58		03.31.2020 14:24		03.31.2020 14:44		03.31.2020 15:05		03.31.2020 15:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Toluene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Ethylbenzene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
m,p-Xylenes		<0.00403	0.00403	<0.00401	0.00401	<0.00400	0.00400	<0.00402	0.00402	<0.00402	0.00402	<0.00403	0.00403
o-Xylene		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Total Xylenes		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Total BTEX		<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00201	0.00201	<0.00202	0.00202
Chloride by EPA 300	Extracted:	03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04	
	Analyzed:	03.31.2020 12:44		03.31.2020 13:01		03.31.2020 13:07		03.31.2020 13:12		03.31.2020 13:18		03.31.2020 13:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		698	9.94	4130	49.8	7010	50.0	3970	50.4	203	49.7	135	9.98
TPH by SW8015 Mod	Extracted:	04.01.2020 11:57		03.31.2020 18:00		03.31.2020 18:00		03.31.2020 18:00		03.31.2020 18:00		03.31.2020 18:00	
	Analyzed:	04.02.2020 04:23		04.02.2020 03:22		04.02.2020 03:42		04.02.2020 04:23		04.02.2020 04:43		04.02.2020 05:03	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1	<50.1	50.1
Diesel Range Organics (DRO)		<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1	<50.1	50.1
Total GRO-DRO		<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1	<50.1	50.1
Total TPH		<50.3	50.3	<50.3	50.3	<49.9	49.9	<50.3	50.3	<50.1	50.1	<50.1	50.1

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657244-019		657244-020		657244-021		657244-022		657244-023		657244-024	
	Field Id:	BH14		BH14A		BH14B		BH14C		BH14D		BH14E	
	Depth:	0.5- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.28.2020 08:33		03.28.2020 08:35		03.28.2020 08:42		03.28.2020 08:50		03.28.2020 08:53		03.28.2020 09:03	
BTEX by EPA 8021B	***Extracted:***	03.30.2020 19:47		03.30.2020 19:47		03.30.2020 19:47		03.30.2020 19:47		03.31.2020 19:26		03.31.2020 19:26	
	Analyzed:	03.31.2020 15:46		03.31.2020 16:06		03.31.2020 16:26		03.31.2020 16:47		03.31.2020 20:31		03.31.2020 20:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
m,p-Xylenes		<0.00402	0.00402	<0.00399	0.00399	<0.00400	0.00400	<0.00404	0.00404	<0.00401	0.00401	<0.00402	0.00402
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00201	0.00201
Chloride by EPA 300	***Extracted:***	03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04	
	Analyzed:	03.31.2020 13:43		03.31.2020 13:49		03.31.2020 13:55		03.31.2020 14:02		03.31.2020 14:08		03.31.2020 14:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		15.9	10.1	2700	50.1	4470	49.7	3520	9.96	3240	49.6	2170	50.1
TPH by SW8015 Mod	***Extracted:***	03.31.2020 18:00		03.31.2020 18:00		03.31.2020 18:00		03.31.2020 18:00		03.31.2020 18:00		04.01.2020 15:00	
	Analyzed:	04.02.2020 05:24		04.02.2020 05:44		04.02.2020 06:04		04.02.2020 06:25		04.02.2020 06:45		04.02.2020 23:27	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<50.2	50.2
Total GRO-DRO		<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<50.2	50.2
Total TPH		<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.8	49.8	<50.1	50.1	<50.2	50.2

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657244-025		657244-026		657244-027		657244-028		657244-029		657244-030	
	Field Id:	BH14F		BH14G		BH14H		MW05		MW05A		MW05B	
	Depth:	30- ft		35- ft		37- ft		0.5- ft		5- ft		10- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.28.2020 09:14		03.28.2020 09:28		03.28.2020 09:30		03.28.2020 10:18		03.28.2020 10:20		03.28.2020 10:36	
BTEX by EPA 8021B	***Extracted:***	03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26	
	Analyzed:	03.31.2020 21:12		03.31.2020 21:32		03.31.2020 21:53		03.31.2020 22:13		03.31.2020 22:33		03.31.2020 22:54	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00403	0.00403	<0.00402	0.00402	<0.00400	0.00400	<0.00396	0.00396	<0.00399	0.00399	<0.00399	0.00399
o-Xylene		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Chloride by EPA 300	***Extracted:***	03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04		03.31.2020 08:04	
	Analyzed:	03.31.2020 14:33		03.31.2020 14:51		03.31.2020 14:57		03.31.2020 15:03		03.31.2020 15:09		03.31.2020 15:16	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		445	49.7	747	9.96	370	9.98	38.6	10.0	1140	50.1	2240	50.2
TPH by SW8015 Mod	***Extracted:***	04.01.2020 15:00		04.01.2020 15:00		04.01.2020 15:00		04.01.2020 15:00		04.01.2020 15:00		04.01.2020 15:00	
	Analyzed:	04.02.2020 23:48		04.03.2020 00:08		04.03.2020 00:29		04.03.2020 00:49		04.03.2020 01:09		04.03.2020 01:50	
	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	<50.3	50.3	<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.0	50.0
Diesel Range Organics (DRO)		<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.0	50.0
Total GRO-DRO		<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.0	50.0
Total TPH		<49.8	49.8	<50.3	50.3	<49.9	49.9	<50.1	50.1	<50.2	50.2	<50.0	50.0

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657244-031		657244-032		657244-033		657244-034		657244-035		657244-036	
	Field Id:	MW05C		MW05D		MW05E		MW05F		MW05G		MW05H	
	Depth:	15- ft		20- ft		25- ft		30- ft		35- ft		37- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.28.2020 10:39		03.28.2020 10:50		03.28.2020 11:01		03.28.2020 11:03		03.28.2020 11:17		03.28.2020 11:18	
BTEX by EPA 8021B	***Extracted:***	03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26	
	Analyzed:	03.31.2020 23:55		04.01.2020 00:15		04.01.2020 00:36		04.01.2020 00:56		04.01.2020 01:16		04.01.2020 01:37	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00402	0.00402	<0.00401	0.00401	<0.00402	0.00402	<0.00403	0.00403	<0.00400	0.00400	<0.00398	0.00398
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00201	0.00201	<0.00202	0.00202	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	***Extracted:***	03.31.2020 08:04		03.31.2020 08:04		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09	
	Analyzed:	03.31.2020 15:22		03.31.2020 15:28		04.01.2020 12:15		04.01.2020 12:32		04.01.2020 12:37		04.01.2020 12:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2010	50.2	681	50.0	267	9.96	1110	49.8	404	9.92	351	10.0
TPH by SW8015 Mod	***Extracted:***	04.01.2020 15:00		04.01.2020 15:00		04.01.2020 15:00		04.01.2020 15:00		04.01.2020 15:00		04.01.2020 15:00	
	Analyzed:	04.03.2020 02:10		04.03.2020 02:30		04.03.2020 02:51		04.03.2020 03:11		04.03.2020 03:31		04.03.2020 03:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.1	50.1
Diesel Range Organics (DRO)		<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.1	50.1
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.1	50.1
Total GRO-DRO		<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.1	50.1
Total TPH		<49.8	49.8	<50.2	50.2	<50.0	50.0	<50.2	50.2	<49.9	49.9	<50.1	50.1

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657244-037		657244-038		657244-039		657244-040		657244-041		657244-042	
	Field Id:	BH12		BH12A		BH12B		BH12C		BH12D		BH12E	
	Depth:	0.5- ft		5- ft		10- ft		15- ft		20- ft		25- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.28.2020 15:11		03.28.2020 15:12		03.28.2020 15:14		03.28.2020 15:17		03.28.2020 15:20		03.28.2020 15:22	
BTEX by EPA 8021B	Extracted:	03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26		03.31.2020 19:26		04.01.2020 19:24		04.01.2020 19:24	
	Analyzed:	04.01.2020 01:57		04.01.2020 02:18		04.01.2020 02:38		04.01.2020 02:58		04.02.2020 08:31		04.02.2020 08:52	
	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	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201
m,p-Xylenes		<0.00400	0.00400	<0.00399	0.00399	<0.00398	0.00398	<0.00401	0.00401	<0.00404	0.00404	<0.00402	0.00402
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00201	0.00201
Chloride by EPA 300	Extracted:	03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09	
	Analyzed:	04.01.2020 13:42		04.01.2020 13:13		04.01.2020 13:19		04.01.2020 13:25		04.01.2020 13:31		04.01.2020 13:36	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		1390	50.2	4900	50.3	4900	49.7	3500	49.9	632	49.8	1320	49.6
TPH by SW8015 Mod	Extracted:	04.01.2020 15:00		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50	
	Analyzed:	04.03.2020 04:12		04.02.2020 21:25		04.02.2020 23:27		04.02.2020 23:48		04.03.2020 00:08		04.03.2020 00:29	
	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	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Total GRO-DRO		<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2
Total TPH		<49.9	49.9	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.2	50.2

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested		657244-043		657244-044		657244-045		657244-046		657244-047		657244-048	
	Field Id:	BH12F		BH12G		BH12H		BH19		BH19A		BH19B	
	Depth:	30- ft		35- ft		37- ft		0.5- ft		5- ft		10- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.28.2020 15:25		03.28.2020 15:35		03.28.2020 15:37		03.29.2020 11:08		03.29.2020 11:10		03.29.2020 11:16	
BTEX by EPA 8021B	Extracted:	04.01.2020 19:24		04.01.2020 19:24		04.01.2020 19:24		04.01.2020 16:24		04.01.2020 16:24		04.01.2020 16:24	
	Analyzed:	04.02.2020 09:12		04.02.2020 09:32		04.02.2020 08:11		04.02.2020 13:03		04.02.2020 13:23		04.02.2020 13:43	
	Units/RL:	mg/kg	RL	mg/kg	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	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Toluene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Ethylbenzene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
m,p-Xylenes		<0.00404	0.00404	<0.00403	0.00403	<0.00399	0.00399	<0.00400	0.00400	<0.00399	0.00399	<0.00398	0.00398
o-Xylene		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total Xylenes		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Total BTEX		<0.00202	0.00202	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200	<0.00200	0.00200	<0.00199	0.00199
Chloride by EPA 300	Extracted:	03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09	
	Analyzed:	04.01.2020 13:48		04.01.2020 14:06		04.01.2020 14:12		04.01.2020 14:31		04.01.2020 14:37		04.01.2020 14:43	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		557	9.98	1090	49.8	771	50.1	1090	50.4	24.0	9.80	22.4	10.1
TPH by SW8015 Mod	Extracted:	04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50	
	Analyzed:	04.03.2020 00:49		04.03.2020 01:09		04.03.2020 01:50		04.03.2020 02:10		04.03.2020 02:30		04.03.2020 02:51	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2
Diesel Range Organics (DRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2
Total GRO-DRO		<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2
Total TPH		<49.8	49.8	<50.2	50.2	<50.2	50.2	<50.0	50.0	<49.9	49.9	<50.2	50.2

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Jessica Kramer
Project Manager

Certificate of Analysis Summary 657244

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Mon 03.30.2020 08:32
Report Date: 04.06.2020 10:11
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657244-049		657244-050		657244-051		657244-052		657244-053		657244-054	
	Field Id:	BH19C		BH19D		BH19E		BH19F		BH19G		BH19H	
	Depth:	15- ft		20- ft		25- ft		30- ft		35- ft		37- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	03.29.2020 11:18		03.29.2020 11:22		03.29.2020 11:24		03.29.2020 11:32		03.29.2020 11:34		03.29.2020 11:41	
BTEX by EPA 8021B	***Extracted:***	04.01.2020 16:24		04.01.2020 16:24		04.01.2020 16:24		04.01.2020 16:24		04.01.2020 16:24		04.01.2020 16:24	
	Analyzed:	04.02.2020 14:04		04.02.2020 14:24		04.02.2020 15:46		04.02.2020 16:06		04.02.2020 16:27		04.02.2020 16:47	
	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	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00400	0.00400	<0.00401	0.00401	<0.00402	0.00402	<0.00398	0.00398	<0.00401	0.00401	0.0188	0.00396
o-Xylene		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	0.0188	0.00198
Total BTEX		<0.00200	0.00200	<0.00200	0.00200	<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	0.0188	0.00198
Chloride by EPA 300	***Extracted:***	03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:09		03.31.2020 10:08		03.31.2020 10:08	
	Analyzed:	04.01.2020 14:49		04.01.2020 14:55		04.01.2020 15:01		04.01.2020 15:07		03.31.2020 16:12		03.31.2020 16:30	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		15.7	10.1	84.3	10.0	150	9.92	255	50.1	130	49.7	399	50.1
TPH by SW8015 Mod	***Extracted:***	04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50		04.02.2020 15:50	
	Analyzed:	04.03.2020 03:11		04.03.2020 03:31		04.03.2020 03:51		04.03.2020 04:12		04.03.2020 04:32		04.03.2020 04:52	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Diesel Range Organics (DRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Total GRO-DRO		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9
Total TPH		<49.9	49.9	<49.9	49.9	<50.0	50.0	<50.0	50.0	<49.9	49.9	<49.9	49.9

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Jessica Kramer
Project Manager

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH13**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-001	Date Collected:	03.27.2020 12:38	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.96	9.96	mg/kg	03.31.2020 10:09	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 13:40	Basis:	Wet Weight
Seq Number:	3121587				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	03.31.2020 20:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	**67.4**	50.0	mg/kg	03.31.2020 20:23		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	03.31.2020 20:23	U	1
Total GRO-DRO	PHC628	**67.4**	50.0	mg/kg	03.31.2020 20:23		1
Total TPH	PHC635	**67.4**	50.0	mg/kg	03.31.2020 20:23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	03.31.2020 20:23	
o-Terphenyl	84-15-1	109	%	70-135	03.31.2020 20:23	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH13**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-001	Date Collected:	03.27.2020 12:38	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 15:56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 15:56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 15:56	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.31.2020 15:56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 15:56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 15:56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 15:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.31.2020 15:56	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.31.2020 15:56	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH13A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-002	Date Collected:	03.27.2020 12:40	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**189**	10.1	mg/kg	03.31.2020 10:26		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 13:40	Basis:	Wet Weight
Seq Number:	3121587				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.31.2020 20:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.31.2020 20:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.31.2020 20:43	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.31.2020 20:43	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.31.2020 20:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	03.31.2020 20:43	
o-Terphenyl	84-15-1	108	%	70-135	03.31.2020 20:43	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH13A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-002	Date Collected:	03.27.2020 12:40	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 16:17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 16:17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 16:17	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.31.2020 16:17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 16:17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 16:17	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 16:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.31.2020 16:17	
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.31.2020 16:17	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH13B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-003	Date Collected:	03.27.2020 12:41	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**624**	49.9	mg/kg	03.31.2020 10:32		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 13:40	Basis:	Wet Weight
Seq Number:	3121587				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	03.31.2020 21:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	03.31.2020 21:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	03.31.2020 21:03	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	03.31.2020 21:03	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	03.31.2020 21:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	03.31.2020 21:03	
o-Terphenyl	84-15-1	109	%	70-135	03.31.2020 21:03	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH13B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-003	Date Collected:	03.27.2020 12:41	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 16:37	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 16:37	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 16:37	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 16:37	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 16:37	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 16:37	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 16:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.31.2020 16:37	
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.31.2020 16:37	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH13C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-004	Date Collected:	03.27.2020 13:08	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**658**	49.6	mg/kg	03.31.2020 10:49		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 13:40	Basis:	Wet Weight
Seq Number:	3121587				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.01.2020 09:17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.01.2020 09:17	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.01.2020 09:17	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	04.01.2020 09:17	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.01.2020 09:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	04.01.2020 09:17	
o-Terphenyl	84-15-1	110	%	70-135	04.01.2020 09:17	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH13C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-004	Date Collected:	03.27.2020 13:08	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.31.2020 16:58	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.31.2020 16:58	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.31.2020 16:58	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.31.2020 16:58	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.31.2020 16:58	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.31.2020 16:58	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.31.2020 16:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	03.31.2020 16:58	
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.31.2020 16:58	

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ADU 816

Sample Id:	**BH13D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-005	Date Collected:	03.27.2020 13:10	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**760**	49.9	mg/kg	03.31.2020 10:54		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 13:40	Basis:	Wet Weight
Seq Number:	3121587				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.01.2020 09:38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.01.2020 09:38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.01.2020 09:38	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.01.2020 09:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.01.2020 09:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	04.01.2020 09:38	
o-Terphenyl	84-15-1	112	%	70-135	04.01.2020 09:38	

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LT Environmental, Inc., Arvada, CO

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Sample Id:	**BH13D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-005	Date Collected:	03.27.2020 13:10	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 17:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 17:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 17:18	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.31.2020 17:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 17:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 17:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 17:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	03.31.2020 17:18	
1,4-Difluorobenzene	540-36-3	114	%	70-130	03.31.2020 17:18	

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LT Environmental, Inc., Arvada, CO

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Sample Id:	**BH13E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-006	Date Collected:	03.27.2020 13:12	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**513**	49.9	mg/kg	03.31.2020 11:00		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 13:40	Basis:	Wet Weight
Seq Number:	3121587				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.01.2020 09:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.01.2020 09:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.01.2020 09:58	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.01.2020 09:58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.01.2020 09:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	04.01.2020 09:58	
o-Terphenyl	84-15-1	111	%	70-135	04.01.2020 09:58	

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Sample Id:	**BH13E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-006	Date Collected:	03.27.2020 13:12	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 17:38	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 17:38	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 17:38	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 17:38	U	1
o-Xylene	95-47-6	**0.00201**	0.00201	mg/kg	03.31.2020 17:38		1
Total Xylenes	1330-20-7	**0.00201**	0.00201	mg/kg	03.31.2020 17:38		1
Total BTEX		**0.00201**	0.00201	mg/kg	03.31.2020 17:38		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.31.2020 17:38	
4-Bromofluorobenzene	460-00-4	91	%	70-130	03.31.2020 17:38	

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Sample Id:	**BH13F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-007	Date Collected:	03.27.2020 13:14	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**397**	49.9	mg/kg	03.31.2020 11:06		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 13:40	Basis:	Wet Weight
Seq Number:	3121587				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.01.2020 10:18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.01.2020 10:18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.01.2020 10:18	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.01.2020 10:18	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.01.2020 10:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	04.01.2020 10:18	
o-Terphenyl	84-15-1	106	%	70-135	04.01.2020 10:18	

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Sample Id:	**BH13F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-007	Date Collected:	03.27.2020 13:14	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.31.2020 11:11	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.31.2020 11:11	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.31.2020 11:11	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.31.2020 11:11	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.31.2020 11:11	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.31.2020 11:11	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.31.2020 11:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.31.2020 11:11	
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.31.2020 11:11	

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Sample Id:	**BH13G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-008	Date Collected:	03.27.2020 13:27	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**281**	9.96	mg/kg	03.31.2020 11:11		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3121656				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.01.2020 18:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.01.2020 18:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.01.2020 18:49	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	04.01.2020 18:49	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.01.2020 18:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	04.01.2020 18:49	
o-Terphenyl	84-15-1	94	%	70-135	04.01.2020 18:49	

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Sample Id:	**BH13G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-008	Date Collected:	03.27.2020 13:27	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.31.2020 17:59	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.31.2020 17:59	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.31.2020 17:59	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.31.2020 17:59	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.31.2020 17:59	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.31.2020 17:59	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.31.2020 17:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.31.2020 17:59	
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.31.2020 17:59	

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ADU 816

Sample Id:	**BH13H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-009	Date Collected:	03.27.2020 13:30	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 07:56	Basis:	Wet Weight
Seq Number:	3121572				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**306**	9.92	mg/kg	03.31.2020 11:17		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3121656				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.01.2020 19:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.01.2020 19:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.01.2020 19:09	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.01.2020 19:09	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.01.2020 19:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	04.01.2020 19:09	
o-Terphenyl	84-15-1	100	%	70-135	04.01.2020 19:09	

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Sample Id:	**BH13H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-009	Date Collected:	03.27.2020 13:30	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 09:32	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 09:32	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 09:32	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 09:32	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 09:32	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 09:32	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 09:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 09:32	
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.31.2020 09:32	

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ADU 816

Sample Id: **BH09** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-010 Date Collected: 03.27.2020 14:42 Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 07:56 Basis: Wet Weight
Seq Number: 3121572

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**34.0**	9.92	mg/kg	03.31.2020 11:23		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 03.31.2020 17:30 Basis: Wet Weight
Seq Number: 3121656

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.01.2020 19:33	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.01.2020 19:33	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.01.2020 19:33	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.01.2020 19:33	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.01.2020 19:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	04.01.2020 19:33	
o-Terphenyl	84-15-1	97	%	70-135	04.01.2020 19:33	

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ADU 816

Sample Id:	**BH09**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-010	Date Collected:	03.27.2020 14:42	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 18:19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 18:19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 18:19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 18:19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 18:19	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 18:19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 18:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.31.2020 18:19	
4-Bromofluorobenzene	460-00-4	93	%	70-130	03.31.2020 18:19	

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ADU 816

Sample Id:	**BH09A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-011	Date Collected:	03.27.2020 14:48	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 18:02	Basis:	Wet Weight
Seq Number:	3121421				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**21.0**	9.98	mg/kg	03.31.2020 01:25		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3121656				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.01.2020 19:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.01.2020 19:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.01.2020 19:54	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.01.2020 19:54	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.01.2020 19:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	04.01.2020 19:54	
o-Terphenyl	84-15-1	101	%	70-135	04.01.2020 19:54	

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ADU 816

Sample Id:	**BH09A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-011	Date Collected:	03.27.2020 14:48	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:44	Basis:	Wet Weight
Seq Number:	3121560				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 18:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 18:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 18:40	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.31.2020 18:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 18:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 18:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 18:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	03.31.2020 18:40	
4-Bromofluorobenzene	460-00-4	90	%	70-130	03.31.2020 18:40	

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Sample Id:	**BH09B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-012	Date Collected:	03.27.2020 14:55	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 18:02	Basis:	Wet Weight
Seq Number:	3121421				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<10.0	10.0	mg/kg	03.31.2020 07:59	U	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 17:30	Basis:	Wet Weight
Seq Number:	3121656				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.01.2020 20:14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.01.2020 20:14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.01.2020 20:14	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.01.2020 20:14	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.01.2020 20:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	04.01.2020 20:14	
o-Terphenyl	84-15-1	98	%	70-135	04.01.2020 20:14	

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Sample Id:	**BH09B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-012	Date Collected:	03.27.2020 14:55	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.31.2020 12:36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.31.2020 12:36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.31.2020 12:36	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.31.2020 12:36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.31.2020 12:36	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.31.2020 12:36	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.31.2020 12:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 12:36	
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.31.2020 12:36	

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Sample Id: **BH09C** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-013 Date Collected: 03.27.2020 14:57 Sample Depth: 15 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 08:04 Basis: Wet Weight
Seq Number: 3121573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**698**	9.94	mg/kg	03.31.2020 12:44		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 04.01.2020 11:57 Basis: Wet Weight
Seq Number: 3121687

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	04.02.2020 04:23	
o-Terphenyl	84-15-1	107	%	70-135	04.02.2020 04:23	

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Sample Id:	**BH09C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-013	Date Collected:	03.27.2020 14:57	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.31.2020 13:37	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.31.2020 13:37	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.31.2020 13:37	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.31.2020 13:37	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.31.2020 13:37	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.31.2020 13:37	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.31.2020 13:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.31.2020 13:37	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 13:37	

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Sample Id:	**BH09D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-014	Date Collected:	03.27.2020 15:16	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4130**	49.8	mg/kg	03.31.2020 13:01		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 18:00	Basis:	Wet Weight
Seq Number:	3121695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	04.02.2020 03:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	04.02.2020 03:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	04.02.2020 03:22	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	04.02.2020 03:22	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	04.02.2020 03:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	04.02.2020 03:22	
o-Terphenyl	84-15-1	90	%	70-135	04.02.2020 03:22	

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Sample Id:	**BH09D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-014	Date Collected:	03.27.2020 15:16	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 13:58	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 13:58	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 13:58	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.31.2020 13:58	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 13:58	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 13:58	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 13:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.31.2020 13:58	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 13:58	

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Sample Id:	**BH09E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-015	Date Collected:	03.27.2020 15:20	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7010**	50.0	mg/kg	03.31.2020 13:07		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 18:00	Basis:	Wet Weight
Seq Number:	3121695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.02.2020 03:42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.02.2020 03:42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.02.2020 03:42	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.02.2020 03:42	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.02.2020 03:42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	04.02.2020 03:42	
o-Terphenyl	84-15-1	102	%	70-135	04.02.2020 03:42	

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ADU 816

Sample Id:	**BH09E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-015	Date Collected:	03.27.2020 15:20	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 14:24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 14:24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 14:24	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.31.2020 14:24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 14:24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 14:24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 14:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.31.2020 14:24	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 14:24	

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Sample Id:	**BH09F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-016	Date Collected:	03.27.2020 15:25	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3970**	50.4	mg/kg	03.31.2020 13:12		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 18:00	Basis:	Wet Weight
Seq Number:	3121695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	04.02.2020 04:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	04.02.2020 04:23	
o-Terphenyl	84-15-1	103	%	70-135	04.02.2020 04:23	

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Sample Id:	**BH09F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-016	Date Collected:	03.27.2020 15:25	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 14:44	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 14:44	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 14:44	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 14:44	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 14:44	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 14:44	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 14:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 14:44	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.31.2020 14:44	

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ADU 816

Sample Id:	**BH09G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-017	Date Collected:	03.27.2020 15:48	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**203**	49.7	mg/kg	03.31.2020 13:18		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 18:00	Basis:	Wet Weight
Seq Number:	3121695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	04.02.2020 04:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	04.02.2020 04:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	04.02.2020 04:43	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	04.02.2020 04:43	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	04.02.2020 04:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	04.02.2020 04:43	
o-Terphenyl	84-15-1	105	%	70-135	04.02.2020 04:43	

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Sample Id:	**BH09G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-017	Date Collected:	03.27.2020 15:48	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 15:05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 15:05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 15:05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 15:05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 15:05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 15:05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 15:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.31.2020 15:05	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 15:05	

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ADU 816

Sample Id:	**BH09H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-018	Date Collected:	03.27.2020 15:16	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**135**	9.98	mg/kg	03.31.2020 13:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 18:00	Basis:	Wet Weight
Seq Number:	3121695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	04.02.2020 05:03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	04.02.2020 05:03	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	04.02.2020 05:03	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	04.02.2020 05:03	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	04.02.2020 05:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	04.02.2020 05:03	
o-Terphenyl	84-15-1	107	%	70-135	04.02.2020 05:03	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH09H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-018	Date Collected:	03.27.2020 15:16	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.31.2020 15:25	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.31.2020 15:25	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.31.2020 15:25	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.31.2020 15:25	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.31.2020 15:25	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.31.2020 15:25	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.31.2020 15:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.31.2020 15:25	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 15:25	

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ADU 816

Sample Id:	**BH14**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-019	Date Collected:	03.28.2020 08:33	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.9**	10.1	mg/kg	03.31.2020 13:43		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 18:00	Basis:	Wet Weight
Seq Number:	3121695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.02.2020 05:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.02.2020 05:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.02.2020 05:24	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.02.2020 05:24	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.02.2020 05:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	04.02.2020 05:24	
o-Terphenyl	84-15-1	106	%	70-135	04.02.2020 05:24	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH14**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-019	Date Collected:	03.28.2020 08:33	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 15:46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 15:46	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 15:46	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 15:46	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 15:46	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 15:46	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 15:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.31.2020 15:46	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 15:46	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH14A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-020	Date Collected:	03.28.2020 08:35	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2700**	50.1	mg/kg	03.31.2020 13:49		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 18:00	Basis:	Wet Weight
Seq Number:	3121695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.02.2020 05:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.02.2020 05:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.02.2020 05:44	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.02.2020 05:44	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.02.2020 05:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	04.02.2020 05:44	
o-Terphenyl	84-15-1	96	%	70-135	04.02.2020 05:44	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH14A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-020	Date Collected:	03.28.2020 08:35	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 16:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 16:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 16:06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.31.2020 16:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 16:06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 16:06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 16:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.31.2020 16:06	
1,4-Difluorobenzene	540-36-3	109	%	70-130	03.31.2020 16:06	

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ADU 816

Sample Id:	**BH14B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-021	Date Collected:	03.28.2020 08:42	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4470**	49.7	mg/kg	03.31.2020 13:55		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	03.31.2020 18:00	Basis:	Wet Weight
Seq Number:	3121695				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.02.2020 06:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.02.2020 06:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.02.2020 06:04	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.02.2020 06:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.02.2020 06:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	04.02.2020 06:04	
o-Terphenyl	84-15-1	99	%	70-135	04.02.2020 06:04	

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ADU 816

Sample Id:	**BH14B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-021	Date Collected:	03.28.2020 08:42	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 16:26	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 16:26	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 16:26	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.31.2020 16:26	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 16:26	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 16:26	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 16:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.31.2020 16:26	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 16:26	

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ADU 816

Sample Id: **BH14C** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-022 Date Collected: 03.28.2020 08:50 Sample Depth: 15 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 08:04 Basis: Wet Weight
Seq Number: 3121573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3520**	9.96	mg/kg	03.31.2020 14:02		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 03.31.2020 18:00 Basis: Wet Weight
Seq Number: 3121695

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.02.2020 06:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.02.2020 06:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.02.2020 06:25	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	04.02.2020 06:25	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.02.2020 06:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	04.02.2020 06:25	
o-Terphenyl	84-15-1	101	%	70-135	04.02.2020 06:25	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH14C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-022	Date Collected:	03.28.2020 08:50	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.30.2020 19:47	Basis:	Wet Weight
Seq Number:	3121562				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.31.2020 16:47	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.31.2020 16:47	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.31.2020 16:47	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	03.31.2020 16:47	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.31.2020 16:47	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.31.2020 16:47	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.31.2020 16:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 16:47	
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.31.2020 16:47	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **BH14D** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-023 Date Collected: 03.28.2020 08:53 Sample Depth: 20 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 08:04 Basis: Wet Weight
Seq Number: 3121573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3240**	49.6	mg/kg	03.31.2020 14:08		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 03.31.2020 18:00 Basis: Wet Weight
Seq Number: 3121695

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	04.02.2020 06:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	04.02.2020 06:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	04.02.2020 06:45	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	04.02.2020 06:45	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	04.02.2020 06:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-135	04.02.2020 06:45	
o-Terphenyl	84-15-1	112	%	70-135	04.02.2020 06:45	

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ADU 816

Sample Id:	**BH14D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-023	Date Collected:	03.28.2020 08:53	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 20:31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 20:31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 20:31	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.31.2020 20:31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 20:31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 20:31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 20:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 20:31	
4-Bromofluorobenzene	460-00-4	98	%	70-130	03.31.2020 20:31	

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ADU 816

Sample Id:	**BH14E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-024	Date Collected:	03.28.2020 09:03	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2170**	50.1	mg/kg	03.31.2020 14:26		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.02.2020 23:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.02.2020 23:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.02.2020 23:27	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.02.2020 23:27	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.02.2020 23:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	04.02.2020 23:27	
o-Terphenyl	84-15-1	107	%	70-135	04.02.2020 23:27	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH14E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-024	Date Collected:	03.28.2020 09:03	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 20:51	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 20:51	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 20:51	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 20:51	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 20:51	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 20:51	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 20:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 20:51	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.31.2020 20:51	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **BH14F** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-025 Date Collected: 03.28.2020 09:14 Sample Depth: 30 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 08:04 Basis: Wet Weight
Seq Number: 3121573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**445**	49.7	mg/kg	03.31.2020 14:33		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 04.01.2020 15:00 Basis: Wet Weight
Seq Number: 3121825

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.02.2020 23:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.02.2020 23:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.02.2020 23:48	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	04.02.2020 23:48	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.02.2020 23:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	04.02.2020 23:48	
o-Terphenyl	84-15-1	105	%	70-135	04.02.2020 23:48	

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Sample Id:	**BH14F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-025	Date Collected:	03.28.2020 09:14	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.31.2020 21:12	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	03.31.2020 21:12	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.31.2020 21:12	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.31.2020 21:12	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.31.2020 21:12	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.31.2020 21:12	U	1
Total BTEX		<0.00202	0.00202	mg/kg	03.31.2020 21:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.31.2020 21:12	
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 21:12	

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Sample Id:	**BH14G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-026	Date Collected:	03.28.2020 09:28	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**747**	9.96	mg/kg	03.31.2020 14:51		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	04.03.2020 00:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	04.03.2020 00:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	04.03.2020 00:08	U	1
Total GRO-DRO	PHC628	<50.3	50.3	mg/kg	04.03.2020 00:08	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	04.03.2020 00:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	04.03.2020 00:08	
o-Terphenyl	84-15-1	108	%	70-135	04.03.2020 00:08	

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Sample Id:	**BH14G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-026	Date Collected:	03.28.2020 09:28	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 21:32	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 21:32	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 21:32	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 21:32	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 21:32	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 21:32	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 21:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94	%	70-130	03.31.2020 21:32	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 21:32	

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Sample Id:	**BH14H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-027	Date Collected:	03.28.2020 09:30	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**370**	9.98	mg/kg	03.31.2020 14:57		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.03.2020 00:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.03.2020 00:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.03.2020 00:29	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.03.2020 00:29	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.03.2020 00:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	04.03.2020 00:29	
o-Terphenyl	84-15-1	105	%	70-135	04.03.2020 00:29	

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Sample Id:	**BH14H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-027	Date Collected:	03.28.2020 09:30	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 21:53	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 21:53	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 21:53	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.31.2020 21:53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 21:53	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 21:53	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 21:53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 21:53	
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.31.2020 21:53	

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Sample Id:	**MW05**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-028	Date Collected:	03.28.2020 10:18	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**38.6**	10.0	mg/kg	03.31.2020 15:03		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	04.03.2020 00:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	04.03.2020 00:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	04.03.2020 00:49	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	04.03.2020 00:49	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	04.03.2020 00:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	04.03.2020 00:49	
o-Terphenyl	84-15-1	109	%	70-135	04.03.2020 00:49	

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Sample Id:	**MW05**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-028	Date Collected:	03.28.2020 10:18	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.31.2020 22:13	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.31.2020 22:13	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.31.2020 22:13	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	03.31.2020 22:13	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.31.2020 22:13	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.31.2020 22:13	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.31.2020 22:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	03.31.2020 22:13	
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.31.2020 22:13	

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Sample Id:	**MW05A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-029	Date Collected:	03.28.2020 10:20	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1140**	50.1	mg/kg	03.31.2020 15:09		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	04.03.2020 01:09	
o-Terphenyl	84-15-1	108	%	70-135	04.03.2020 01:09	

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Sample Id:	**MW05A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-029	Date Collected:	03.28.2020 10:20	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 22:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 22:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 22:33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.31.2020 22:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 22:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 22:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 22:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.31.2020 22:33	
1,4-Difluorobenzene	540-36-3	108	%	70-130	03.31.2020 22:33	

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Sample Id:	**MW05B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-030	Date Collected:	03.28.2020 10:36	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2240**	50.2	mg/kg	03.31.2020 15:16		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.03.2020 01:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.03.2020 01:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.03.2020 01:50	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.03.2020 01:50	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.03.2020 01:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	04.03.2020 01:50	
o-Terphenyl	84-15-1	109	%	70-135	04.03.2020 01:50	

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Sample Id:	**MW05B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-030	Date Collected:	03.28.2020 10:36	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.31.2020 22:54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.31.2020 22:54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.31.2020 22:54	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.31.2020 22:54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.31.2020 22:54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.31.2020 22:54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.31.2020 22:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	03.31.2020 22:54	
1,4-Difluorobenzene	540-36-3	110	%	70-130	03.31.2020 22:54	

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Sample Id:	**MW05C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-031	Date Collected:	03.28.2020 10:39	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2010**	50.2	mg/kg	03.31.2020 15:22		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.03.2020 02:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.03.2020 02:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.03.2020 02:10	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	04.03.2020 02:10	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.03.2020 02:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	04.03.2020 02:10	
o-Terphenyl	84-15-1	112	%	70-135	04.03.2020 02:10	

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Sample Id:	**MW05C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-031	Date Collected:	03.28.2020 10:39	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.31.2020 23:55	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.31.2020 23:55	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.31.2020 23:55	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.31.2020 23:55	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.31.2020 23:55	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.31.2020 23:55	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.31.2020 23:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	03.31.2020 23:55	
4-Bromofluorobenzene	460-00-4	96	%	70-130	03.31.2020 23:55	

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Sample Id:	**MW05D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-032	Date Collected:	03.28.2020 10:50	Sample Depth:	20 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 08:04	Basis:	Wet Weight
Seq Number:	3121573				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**681**	50.0	mg/kg	03.31.2020 15:28		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.03.2020 02:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.03.2020 02:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.03.2020 02:30	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.03.2020 02:30	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.03.2020 02:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	04.03.2020 02:30	
o-Terphenyl	84-15-1	108	%	70-135	04.03.2020 02:30	

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Sample Id:	**MW05D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-032	Date Collected:	03.28.2020 10:50	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.01.2020 00:15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.01.2020 00:15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.01.2020 00:15	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.01.2020 00:15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.01.2020 00:15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.01.2020 00:15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.01.2020 00:15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	04.01.2020 00:15	
1,4-Difluorobenzene	540-36-3	111	%	70-130	04.01.2020 00:15	

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Sample Id:	**MW05E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-033	Date Collected:	03.28.2020 11:01	Sample Depth:	25 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**267**	9.96	mg/kg	04.01.2020 12:15		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.03.2020 02:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.03.2020 02:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.03.2020 02:51	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.03.2020 02:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.03.2020 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	04.03.2020 02:51	
o-Terphenyl	84-15-1	108	%	70-135	04.03.2020 02:51	

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Sample Id:	**MW05E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-033	Date Collected:	03.28.2020 11:01	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	04.01.2020 00:36	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	04.01.2020 00:36	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	04.01.2020 00:36	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	04.01.2020 00:36	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	04.01.2020 00:36	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	04.01.2020 00:36	U	1
Total BTEX		<0.00201	0.00201	mg/kg	04.01.2020 00:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.01.2020 00:36	
4-Bromofluorobenzene	460-00-4	95	%	70-130	04.01.2020 00:36	

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Sample Id: **MW05F** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-034 Date Collected: 03.28.2020 11:03 Sample Depth: 30 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 10:09 Basis: Wet Weight
Seq Number: 3121700

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1110**	49.8	mg/kg	04.01.2020 12:32		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 04.01.2020 15:00 Basis: Wet Weight
Seq Number: 3121825

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.03.2020 03:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.03.2020 03:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.03.2020 03:11	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.03.2020 03:11	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.03.2020 03:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	04.03.2020 03:11	
o-Terphenyl	84-15-1	112	%	70-135	04.03.2020 03:11	

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Sample Id:	**MW05F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-034	Date Collected:	03.28.2020 11:03	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.01.2020 00:56	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.01.2020 00:56	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.01.2020 00:56	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	04.01.2020 00:56	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	04.01.2020 00:56	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	04.01.2020 00:56	U	1
Total BTEX		<0.00202	0.00202	mg/kg	04.01.2020 00:56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	04.01.2020 00:56	
1,4-Difluorobenzene	540-36-3	110	%	70-130	04.01.2020 00:56	

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Sample Id:	**MW05G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-035	Date Collected:	03.28.2020 11:17	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**404**	9.92	mg/kg	04.01.2020 12:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	04.03.2020 03:31	
o-Terphenyl	84-15-1	109	%	70-135	04.03.2020 03:31	

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Sample Id:	**MW05G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-035	Date Collected:	03.28.2020 11:17	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.01.2020 01:16	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.01.2020 01:16	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.01.2020 01:16	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.01.2020 01:16	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.01.2020 01:16	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.01.2020 01:16	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.01.2020 01:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	99	%	70-130	04.01.2020 01:16	
1,4-Difluorobenzene	540-36-3	113	%	70-130	04.01.2020 01:16	

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Sample Id:	**MW05H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-036	Date Collected:	03.28.2020 11:18	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**351**	10.0	mg/kg	04.01.2020 12:43		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	04.03.2020 03:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	04.03.2020 03:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	04.03.2020 03:51	U	1
Total GRO-DRO	PHC628	<50.1	50.1	mg/kg	04.03.2020 03:51	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	04.03.2020 03:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	04.03.2020 03:51	
o-Terphenyl	84-15-1	106	%	70-135	04.03.2020 03:51	

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ADU 816

Sample Id:	**MW05H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-036	Date Collected:	03.28.2020 11:18	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.01.2020 01:37	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.01.2020 01:37	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.01.2020 01:37	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.01.2020 01:37	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.01.2020 01:37	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.01.2020 01:37	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.01.2020 01:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.01.2020 01:37	
4-Bromofluorobenzene	460-00-4	97	%	70-130	04.01.2020 01:37	

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ADU 816

Sample Id:	**BH12**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-037	Date Collected:	03.28.2020 15:11	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1390**	50.2	mg/kg	04.01.2020 13:42		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.01.2020 15:00	Basis:	Wet Weight
Seq Number:	3121825				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.03.2020 04:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.03.2020 04:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.03.2020 04:12	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.03.2020 04:12	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.03.2020 04:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	04.03.2020 04:12	
o-Terphenyl	84-15-1	112	%	70-135	04.03.2020 04:12	

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ADU 816

Sample Id:	**BH12**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-037	Date Collected:	03.28.2020 15:11	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.01.2020 01:57	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.01.2020 01:57	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.01.2020 01:57	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.01.2020 01:57	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.01.2020 01:57	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.01.2020 01:57	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.01.2020 01:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97	%	70-130	04.01.2020 01:57	
1,4-Difluorobenzene	540-36-3	111	%	70-130	04.01.2020 01:57	

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Sample Id:	**BH12A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-038	Date Collected:	03.28.2020 15:12	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4900**	50.3	mg/kg	04.01.2020 13:13		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.02.2020 21:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.02.2020 21:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.02.2020 21:25	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.02.2020 21:25	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.02.2020 21:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	04.02.2020 21:25	
o-Terphenyl	84-15-1	104	%	70-135	04.02.2020 21:25	

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ADU 816

Sample Id:	**BH12A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-038	Date Collected:	03.28.2020 15:12	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.01.2020 02:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.01.2020 02:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.01.2020 02:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.01.2020 02:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.01.2020 02:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.01.2020 02:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.01.2020 02:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	04.01.2020 02:18	
4-Bromofluorobenzene	460-00-4	99	%	70-130	04.01.2020 02:18	

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Sample Id:	**BH12B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-039	Date Collected:	03.28.2020 15:14	Sample Depth:	10 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4900**	49.7	mg/kg	04.01.2020 13:19		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.02.2020 23:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.02.2020 23:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.02.2020 23:27	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.02.2020 23:27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.02.2020 23:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	04.02.2020 23:27	
o-Terphenyl	84-15-1	107	%	70-135	04.02.2020 23:27	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH12B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-039	Date Collected:	03.28.2020 15:14	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.01.2020 02:38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.01.2020 02:38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.01.2020 02:38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.01.2020 02:38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.01.2020 02:38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.01.2020 02:38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.01.2020 02:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	04.01.2020 02:38	
4-Bromofluorobenzene	460-00-4	99	%	70-130	04.01.2020 02:38	

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ADU 816

Sample Id:	**BH12C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-040	Date Collected:	03.28.2020 15:17	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3500**	49.9	mg/kg	04.01.2020 13:25		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.02.2020 23:48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.02.2020 23:48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.02.2020 23:48	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.02.2020 23:48	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.02.2020 23:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-135	04.02.2020 23:48	
o-Terphenyl	84-15-1	102	%	70-135	04.02.2020 23:48	

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ADU 816

Sample Id:	**BH12C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-040	Date Collected:	03.28.2020 15:17	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 19:26	Basis:	Wet Weight
Seq Number:	3121568				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.01.2020 02:58	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.01.2020 02:58	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.01.2020 02:58	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.01.2020 02:58	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.01.2020 02:58	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.01.2020 02:58	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.01.2020 02:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	04.01.2020 02:58	
4-Bromofluorobenzene	460-00-4	95	%	70-130	04.01.2020 02:58	

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ADU 816

Sample Id: **BH12D** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-041 Date Collected: 03.28.2020 15:20 Sample Depth: 20 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 10:09 Basis: Wet Weight
Seq Number: 3121700

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**632**	49.8	mg/kg	04.01.2020 13:31		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 04.02.2020 15:50 Basis: Wet Weight
Seq Number: 3121830

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.03.2020 00:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.03.2020 00:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.03.2020 00:08	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.03.2020 00:08	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.03.2020 00:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	04.03.2020 00:08	
o-Terphenyl	84-15-1	108	%	70-135	04.03.2020 00:08	

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Sample Id:	**BH12D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-041	Date Collected:	03.28.2020 15:20	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 19:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.02.2020 08:31	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.02.2020 08:31	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.02.2020 08:31	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	04.02.2020 08:31	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	04.02.2020 08:31	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	04.02.2020 08:31	U	1
Total BTEX		<0.00202	0.00202	mg/kg	04.02.2020 08:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	04.02.2020 08:31	
4-Bromofluorobenzene	460-00-4	92	%	70-130	04.02.2020 08:31	

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ADU 816

Sample Id: **BH12E** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-042 Date Collected: 03.28.2020 15:22 Sample Depth: 25 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 10:09 Basis: Wet Weight
Seq Number: 3121700

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1320**	49.6	mg/kg	04.01.2020 13:36		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 04.02.2020 15:50 Basis: Wet Weight
Seq Number: 3121830

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.03.2020 00:29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.03.2020 00:29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.03.2020 00:29	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.03.2020 00:29	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.03.2020 00:29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	04.03.2020 00:29	
o-Terphenyl	84-15-1	111	%	70-135	04.03.2020 00:29	

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Sample Id:	**BH12E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-042	Date Collected:	03.28.2020 15:22	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 19:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	04.02.2020 08:52	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	04.02.2020 08:52	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	04.02.2020 08:52	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	04.02.2020 08:52	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	04.02.2020 08:52	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	04.02.2020 08:52	U	1
Total BTEX		<0.00201	0.00201	mg/kg	04.02.2020 08:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88	%	70-130	04.02.2020 08:52	
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.02.2020 08:52	

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Sample Id:	**BH12F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-043	Date Collected:	03.28.2020 15:25	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**557**	9.98	mg/kg	04.01.2020 13:48		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	04.03.2020 00:49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	04.03.2020 00:49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	04.03.2020 00:49	U	1
Total GRO-DRO	PHC628	<49.8	49.8	mg/kg	04.03.2020 00:49	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	04.03.2020 00:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-135	04.03.2020 00:49	
o-Terphenyl	84-15-1	104	%	70-135	04.03.2020 00:49	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH12F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-043	Date Collected:	03.28.2020 15:25	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 19:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.02.2020 09:12	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.02.2020 09:12	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.02.2020 09:12	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	04.02.2020 09:12	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	04.02.2020 09:12	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	04.02.2020 09:12	U	1
Total BTEX		<0.00202	0.00202	mg/kg	04.02.2020 09:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	89	%	70-130	04.02.2020 09:12	
1,4-Difluorobenzene	540-36-3	111	%	70-130	04.02.2020 09:12	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH12G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-044	Date Collected:	03.28.2020 15:35	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1090**	49.8	mg/kg	04.01.2020 14:06		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.03.2020 01:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	04.03.2020 01:09	
o-Terphenyl	84-15-1	107	%	70-135	04.03.2020 01:09	

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ADU 816

Sample Id:	**BH12G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-044	Date Collected:	03.28.2020 15:35	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 19:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.02.2020 09:32	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.02.2020 09:32	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.02.2020 09:32	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	04.02.2020 09:32	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	04.02.2020 09:32	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	04.02.2020 09:32	U	1
Total BTEX		<0.00202	0.00202	mg/kg	04.02.2020 09:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	04.02.2020 09:32	
4-Bromofluorobenzene	460-00-4	92	%	70-130	04.02.2020 09:32	

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ADU 816

Sample Id:	**BH12H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-045	Date Collected:	03.28.2020 15:37	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**771**	50.1	mg/kg	04.01.2020 14:12		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.03.2020 01:50	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.03.2020 01:50	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.03.2020 01:50	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.03.2020 01:50	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.03.2020 01:50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	04.03.2020 01:50	
o-Terphenyl	84-15-1	107	%	70-135	04.03.2020 01:50	

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ADU 816

Sample Id:	**BH12H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-045	Date Collected:	03.28.2020 15:37	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 19:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.02.2020 08:11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.02.2020 08:11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.02.2020 08:11	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.02.2020 08:11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.02.2020 08:11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.02.2020 08:11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.02.2020 08:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	04.02.2020 08:11	
1,4-Difluorobenzene	540-36-3	115	%	70-130	04.02.2020 08:11	

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ADU 816

Sample Id:	**BH19**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-046	Date Collected:	03.29.2020 11:08	Sample Depth:	0.5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1090**	50.4	mg/kg	04.01.2020 14:31		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.03.2020 02:10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.03.2020 02:10	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.03.2020 02:10	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.03.2020 02:10	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.03.2020 02:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	04.03.2020 02:10	
o-Terphenyl	84-15-1	109	%	70-135	04.03.2020 02:10	

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ADU 816

Sample Id:	**BH19**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-046	Date Collected:	03.29.2020 11:08	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.02.2020 13:03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.02.2020 13:03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.02.2020 13:03	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.02.2020 13:03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.02.2020 13:03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.02.2020 13:03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.02.2020 13:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	96	%	70-130	04.02.2020 13:03	
1,4-Difluorobenzene	540-36-3	114	%	70-130	04.02.2020 13:03	

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LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH19A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-047	Date Collected:	03.29.2020 11:10	Sample Depth:	5 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**24.0**	9.80	mg/kg	04.01.2020 14:37		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.03.2020 02:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.03.2020 02:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.03.2020 02:30	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.03.2020 02:30	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.03.2020 02:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	04.03.2020 02:30	
o-Terphenyl	84-15-1	97	%	70-135	04.03.2020 02:30	

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Sample Id:	**BH19A**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-047	Date Collected:	03.29.2020 11:10	Sample Depth:	5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.02.2020 13:23	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.02.2020 13:23	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.02.2020 13:23	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	04.02.2020 13:23	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.02.2020 13:23	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.02.2020 13:23	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.02.2020 13:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	04.02.2020 13:23	
4-Bromofluorobenzene	460-00-4	94	%	70-130	04.02.2020 13:23	

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Sample Id: **BH19B** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-048 Date Collected: 03.29.2020 11:16 Sample Depth: 10 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 10:09 Basis: Wet Weight
Seq Number: 3121700

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**22.4**	10.1	mg/kg	04.01.2020 14:43		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 04.02.2020 15:50 Basis: Wet Weight
Seq Number: 3121830

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	04.03.2020 02:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	04.03.2020 02:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	04.03.2020 02:51	U	1
Total GRO-DRO	PHC628	<50.2	50.2	mg/kg	04.03.2020 02:51	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	04.03.2020 02:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	04.03.2020 02:51	
o-Terphenyl	84-15-1	107	%	70-135	04.03.2020 02:51	

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Sample Id:	**BH19B**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-048	Date Collected:	03.29.2020 11:16	Sample Depth:	10 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.02.2020 13:43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.02.2020 13:43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.02.2020 13:43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.02.2020 13:43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.02.2020 13:43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.02.2020 13:43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.02.2020 13:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	04.02.2020 13:43	
4-Bromofluorobenzene	460-00-4	91	%	70-130	04.02.2020 13:43	

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Sample Id:	**BH19C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-049	Date Collected:	03.29.2020 11:18	Sample Depth:	15 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.7**	10.1	mg/kg	04.01.2020 14:49		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.03.2020 03:11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.03.2020 03:11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.03.2020 03:11	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.03.2020 03:11	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.03.2020 03:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	04.03.2020 03:11	
o-Terphenyl	84-15-1	104	%	70-135	04.03.2020 03:11	

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Sample Id:	**BH19C**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-049	Date Collected:	03.29.2020 11:18	Sample Depth:	15 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.02.2020 14:04	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.02.2020 14:04	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.02.2020 14:04	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	04.02.2020 14:04	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.02.2020 14:04	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.02.2020 14:04	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.02.2020 14:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	04.02.2020 14:04	
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.02.2020 14:04	

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ADU 816

Sample Id: **BH19D** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-050 Date Collected: 03.29.2020 11:22 Sample Depth: 20 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 10:09 Basis: Wet Weight
Seq Number: 3121700

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**84.3**	10.0	mg/kg	04.01.2020 14:55		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 04.02.2020 15:50 Basis: Wet Weight
Seq Number: 3121830

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.03.2020 03:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	107	%	70-135	04.03.2020 03:31	
o-Terphenyl	84-15-1	112	%	70-135	04.03.2020 03:31	

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Sample Id:	**BH19D**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-050	Date Collected:	03.29.2020 11:22	Sample Depth:	20 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.02.2020 14:24	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.02.2020 14:24	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.02.2020 14:24	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.02.2020 14:24	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.02.2020 14:24	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.02.2020 14:24	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.02.2020 14:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90	%	70-130	04.02.2020 14:24	
1,4-Difluorobenzene	540-36-3	112	%	70-130	04.02.2020 14:24	

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ADU 816

Sample Id: **BH19E** Matrix: Soil Date Received:03.30.2020 08:32
Lab Sample Id: 657244-051 Date Collected: 03.29.2020 11:24 Sample Depth: 25 ft

Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MAB % Moisture:
Analyst: MAB Date Prep: 03.31.2020 10:09 Basis: Wet Weight
Seq Number: 3121700

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**150**	9.92	mg/kg	04.01.2020 15:01		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DTH % Moisture:
Analyst: DTH Date Prep: 04.02.2020 15:50 Basis: Wet Weight
Seq Number: 3121830

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.03.2020 03:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.03.2020 03:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.03.2020 03:51	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.03.2020 03:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.03.2020 03:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	04.03.2020 03:51	
o-Terphenyl	84-15-1	104	%	70-135	04.03.2020 03:51	

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Sample Id:	**BH19E**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-051	Date Collected:	03.29.2020 11:24	Sample Depth:	25 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	04.02.2020 15:46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	04.02.2020 15:46	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	04.02.2020 15:46	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	04.02.2020 15:46	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	04.02.2020 15:46	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	04.02.2020 15:46	U	1
Total BTEX		<0.00201	0.00201	mg/kg	04.02.2020 15:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	04.02.2020 15:46	
4-Bromofluorobenzene	460-00-4	95	%	70-130	04.02.2020 15:46	

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Sample Id:	**BH19F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-052	Date Collected:	03.29.2020 11:32	Sample Depth:	30 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:09	Basis:	Wet Weight
Seq Number:	3121700				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**255**	50.1	mg/kg	04.01.2020 15:07		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	04.03.2020 04:12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	04.03.2020 04:12	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	04.03.2020 04:12	U	1
Total GRO-DRO	PHC628	<50.0	50.0	mg/kg	04.03.2020 04:12	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	04.03.2020 04:12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	04.03.2020 04:12	
o-Terphenyl	84-15-1	107	%	70-135	04.03.2020 04:12	

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Sample Id:	**BH19F**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-052	Date Collected:	03.29.2020 11:32	Sample Depth:	30 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.02.2020 16:06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.02.2020 16:06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.02.2020 16:06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.02.2020 16:06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.02.2020 16:06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.02.2020 16:06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.02.2020 16:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	92	%	70-130	04.02.2020 16:06	
1,4-Difluorobenzene	540-36-3	113	%	70-130	04.02.2020 16:06	

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ADU 816

Sample Id:	**BH19G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-053	Date Collected:	03.29.2020 11:34	Sample Depth:	35 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:08	Basis:	Wet Weight
Seq Number:	3121575				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**130**	49.7	mg/kg	03.31.2020 16:12		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.03.2020 04:32	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.03.2020 04:32	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.03.2020 04:32	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.03.2020 04:32	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.03.2020 04:32	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	04.03.2020 04:32	
o-Terphenyl	84-15-1	108	%	70-135	04.03.2020 04:32	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH19G**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-053	Date Collected:	03.29.2020 11:34	Sample Depth:	35 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.02.2020 16:27	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.02.2020 16:27	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.02.2020 16:27	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.02.2020 16:27	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.02.2020 16:27	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.02.2020 16:27	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.02.2020 16:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	114	%	70-130	04.02.2020 16:27	
4-Bromofluorobenzene	460-00-4	95	%	70-130	04.02.2020 16:27	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH19H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-054	Date Collected:	03.29.2020 11:41	Sample Depth:	37 ft

Analytical Method:	Chloride by EPA 300			Prep Method:	E300P
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	03.31.2020 10:08	Basis:	Wet Weight
Seq Number:	3121575				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**399**	50.1	mg/kg	03.31.2020 16:30		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	DTH			% Moisture:	
Analyst:	DTH	Date Prep:	04.02.2020 15:50	Basis:	Wet Weight
Seq Number:	3121830				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	04.03.2020 04:52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	04.03.2020 04:52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	04.03.2020 04:52	U	1
Total GRO-DRO	PHC628	<49.9	49.9	mg/kg	04.03.2020 04:52	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	04.03.2020 04:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	04.03.2020 04:52	
o-Terphenyl	84-15-1	112	%	70-135	04.03.2020 04:52	

Certificate of Analytical Results 657244

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id:	**BH19H**	Matrix:	Soil	Date Received:	03.30.2020 08:32
Lab Sample Id:	657244-054	Date Collected:	03.29.2020 11:41	Sample Depth:	37 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5030B
Tech:	MAB			% Moisture:	
Analyst:	MAB	Date Prep:	04.01.2020 16:24	Basis:	Wet Weight
Seq Number:	3121835				

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	04.02.2020 16:47	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	04.02.2020 16:47	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	04.02.2020 16:47	U	1
m,p-Xylenes	179601-23-1	**0.0188**	0.00396	mg/kg	04.02.2020 16:47		1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	04.02.2020 16:47	U	1
Total Xylenes	1330-20-7	**0.0188**	0.00198	mg/kg	04.02.2020 16:47		1
Total BTEX		**0.0188**	0.00198	mg/kg	04.02.2020 16:47		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	113	%	70-130	04.02.2020 16:47	
4-Bromofluorobenzene	460-00-4	93	%	70-130	04.02.2020 16:47	

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

Released to Imaging: 6/9/2022 4:17:14 PM

QC Summary 657244

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121421 — Matrix: Solid — Date Prep: 03.30.2020
MB Sample Id: 7700118-1-BLK — LCS Sample Id: 7700118-1-BKS — LCSD Sample Id: 7700118-1-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	238	95	241	96	90-110	1	20	mg/kg	03.30.2020 23:53	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121572 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700116-1-BLK — LCS Sample Id: 7700116-1-BKS — LCSD Sample Id: 7700116-1-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	261	104	266	106	90-110	2	20	mg/kg	03.31.2020 08:38	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121573 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700119-1-BLK — LCS Sample Id: 7700119-1-BKS — LCSD Sample Id: 7700119-1-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	265	106	90-110	0	20	mg/kg	03.31.2020 11:45	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121575 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700188-1-BLK — LCS Sample Id: 7700188-1-BKS — LCSD Sample Id: 7700188-1-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	265	106	266	106	90-110	0	20	mg/kg	03.31.2020 16:00	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121700 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700120-1-BLK — LCS Sample Id: 7700120-1-BKS — LCSD Sample Id: 7700120-1-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	269	108	267	107	90-110	1	20	mg/kg	04.01.2020 12:04	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121421 — Matrix: Soil — Date Prep: 03.30.2020
Parent Sample Id: 657334-005 — MS Sample Id: 657334-005 S — MSD Sample Id: 657334-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.3	199	226	102	228	103	90-110	1	20	mg/kg	03.31.2020 00:13	

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 657244

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121572 — Matrix: Soil — Date Prep: 03.31.2020
Parent Sample Id: 657234-024 — MS Sample Id: 657234-024 S — MSD Sample Id: 657234-024 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1850	199	2050	101	2060	105	90-110	0	20	mg/kg	03.31.2020 08:55	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121572 — Matrix: Soil — Date Prep: 03.31.2020
Parent Sample Id: 657244-001 — MS Sample Id: 657244-001 S — MSD Sample Id: 657244-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	217	109	218	109	90-110	0	20	mg/kg	03.31.2020 10:15	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121573 — Matrix: Soil — Date Prep: 03.31.2020
Parent Sample Id: 657244-013 — MS Sample Id: 657244-013 S — MSD Sample Id: 657244-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	698	199	903	103	899	101	90-110	0	20	mg/kg	03.31.2020 12:50	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121573 — Matrix: Soil — Date Prep: 03.31.2020
Parent Sample Id: 657244-023 — MS Sample Id: 657244-023 S — MSD Sample Id: 657244-023 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	3240	200	3450	105	3430	95	90-110	1	20	mg/kg	03.31.2020 14:14	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121575 — Matrix: Soil — Date Prep: 03.31.2020
Parent Sample Id: 657244-053 — MS Sample Id: 657244-053 S — MSD Sample Id: 657244-053 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	130	199	329	100	331	101	90-110	1	20	mg/kg	03.31.2020 16:18	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121700 — Matrix: Soil — Date Prep: 03.31.2020
Parent Sample Id: 657244-033 — MS Sample Id: 657244-033 S — MSD Sample Id: 657244-033 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	267	200	481	107	478	106	90-110	1	20	mg/kg	04.01.2020 12:21	

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

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

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

QC Summary 657244

LT Environmental, Inc.

ADU 816

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121700 — Matrix: Soil — Date Prep: 03.31.2020
Parent Sample Id: 657244-043 — MS Sample Id: 657244-043 S — MSD Sample Id: 657244-043 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	557	200	766	105	765	104	90-110	0	20	mg/kg	04.01.2020 13:54	

Analytical Method: Chloride by EPA 300 — Prep Method: E300P
Seq Number: 3121575 — Matrix: Soil — Date Prep: 03.31.2020
Parent Sample Id: 657366-009 — MS Sample Id: 657366-009 S — MSD Sample Id: 657366-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<9.92	198	209	106	217	110	90-110	4	20	mg/kg	03.31.2020 17:42	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121587 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700182-1-BLK — LCS Sample Id: 7700182-1-BKS — LCSD Sample Id: 7700182-1-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	954	95	935	94	70-135	2	35	mg/kg	03.31.2020 14:13	
Diesel Range Organics (DRO)	<50.0	1000	918	92	893	89	70-135	3	35	mg/kg	03.31.2020 14:13	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		89		86		70-135	%	03.31.2020 14:13
o-Terphenyl	97		86		83		70-135	%	03.31.2020 14:13

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121656 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700185-1-BLK — LCS Sample Id: 7700185-1-BKS — LCSD Sample Id: 7700185-1-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	1180	118	1140	114	70-135	3	35	mg/kg	04.01.2020 12:41	
Diesel Range Organics (DRO)	<50.0	1000	1230	123	1200	120	70-135	2	35	mg/kg	04.01.2020 12:41	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		126		121		70-135	%	04.01.2020 12:41
o-Terphenyl	101		127		123		70-135	%	04.01.2020 12:41

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 657244

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121695 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700269-1-BLK — LCS Sample Id: 7700269-1-BKS — LCSD Sample Id: 7700269-1-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	986	99	944	94	70-135	4	35	mg/kg	04.01.2020 23:18	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	988	99	70-135	4	35	mg/kg	04.01.2020 23:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	86		122		100		70-135	%	04.01.2020 23:18
o-Terphenyl	86		96		92		70-135	%	04.01.2020 23:18

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121687 — Matrix: Solid — Date Prep: 04.01.2020
MB Sample Id: 770257-1-BLK — LCS Sample Id: 770257-1-BKS — LCSD Sample Id: 770257-1-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	1150	115	1130	113	70-135	2	35	mg/kg	04.01.2020 23:18	
Diesel Range Organics (DRO)	<50.0	1000	1220	122	1260	126	70-135	3	35	mg/kg	04.01.2020 23:18	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		134		129		70-135	%	04.01.2020 23:18
o-Terphenyl	100		131		126		70-135	%	04.01.2020 23:18

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121825 — Matrix: Solid — Date Prep: 04.01.2020
MB Sample Id: 7700284-1-BLK — LCS Sample Id: 7700284-1-BKS — LCSD Sample Id: 7700284-1-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	1020	102	1000	100	70-135	2	35	mg/kg	04.02.2020 20:45	
Diesel Range Organics (DRO)	<50.0	1000	1070	107	1200	120	70-135	11	35	mg/kg	04.02.2020 20:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		135		134		70-135	%	04.02.2020 20:45
o-Terphenyl	130		124		124		70-135	%	04.02.2020 20:45

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

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

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

QC Summary 657244

LT Environmental, Inc.

ADU 816

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121830 — Matrix: Solid — Date Prep: 04.02.2020
MB Sample Id: 7700393-1-BLK — LCS Sample Id: 7700393-1-BKS — LCSD Sample Id: 7700393-1-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	999	100	964	96	70-135	4	35	mg/kg	04.02.2020 20:45	
Diesel Range Organics (DRO)	<50.0	1000	1090	109	1040	104	70-135	5	35	mg/kg	04.02.2020 20:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		114		113		70-135	%	04.02.2020 20:45
o-Terphenyl	108		114		106		70-135	%	04.02.2020 20:45

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121587 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700182-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	03.31.2020 13:53	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121656 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700185-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.01.2020 12:20	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121695 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700269-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.01.2020 22:57	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3121687 — Matrix: Solid — Date Prep: 04.01.2020
MB Sample Id: 770257-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.01.2020 22:57	

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

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

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

QC Summary 657244

LT Environmental, Inc.

ADU 816

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121825 Matrix: Solid Date Prep: 04.01.2020
MB Sample Id: 7700284-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.02.2020 20:24	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121830 Matrix: Solid Date Prep: 04.02.2020
MB Sample Id: 7700393-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	04.02.2020 20:24	

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121587 Matrix: Soil Date Prep: 03.31.2020
Parent Sample Id: 657367-006 MS Sample Id: 657367-006 S MSD Sample Id: 657367-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.1	1000	959	96	1010	101	70-135	5	35	mg/kg	03.31.2020 15:15	
Diesel Range Organics (DRO)	<50.1	1000	922	92	969	97	70-135	5	35	mg/kg	03.31.2020 15:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	90		94		70-135	%	03.31.2020 15:15
o-Terphenyl	86		90		70-135	%	03.31.2020 15:15

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121656 Matrix: Soil Date Prep: 03.31.2020
Parent Sample Id: 657427-001 MS Sample Id: 657427-001 S MSD Sample Id: 657427-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	990	99	955	96	70-135	4	35	mg/kg	04.01.2020 13:42	
Diesel Range Organics (DRO)	<49.9	998	1150	115	1100	110	70-135	4	35	mg/kg	04.01.2020 13:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	123		122		70-135	%	04.01.2020 13:42
o-Terphenyl	121		118		70-135	%	04.01.2020 13:42

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

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

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

QC Summary 657244

LT Environmental, Inc.

ADU 816

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121695 Matrix: Soil Date Prep: 03.31.2020
Parent Sample Id: 657234-012 MS Sample Id: 657234-012 S MSD Sample Id: 657234-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	1060	106	1100	111	70-135	4	35	mg/kg	04.02.2020 00:19	
Diesel Range Organics (DRO)	57.9	1000	1030	97	1060	101	70-135	3	35	mg/kg	04.02.2020 00:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	116		112		70-135	%	04.02.2020 00:19
o-Terphenyl	107		109		70-135	%	04.02.2020 00:19

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121687 Matrix: Soil Date Prep: 04.01.2020
Parent Sample Id: 657454-009 MS Sample Id: 657454-009 S MSD Sample Id: 657454-009 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	1020	102	902	91	70-135	12	35	mg/kg	04.02.2020 00:19	
Diesel Range Organics (DRO)	<50.1	1000	1170	117	1040	104	70-135	12	35	mg/kg	04.02.2020 00:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	123		116		70-135	%	04.02.2020 00:19
o-Terphenyl	126		116		70-135	%	04.02.2020 00:19

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121825 Matrix: Soil Date Prep: 04.01.2020
Parent Sample Id: 657518-001 MS Sample Id: 657518-001 S MSD Sample Id: 657518-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.8	995	928	93	913	91	70-135	2	35	mg/kg	04.02.2020 21:46	
Diesel Range Organics (DRO)	<49.8	995	1080	109	1090	109	70-135	1	35	mg/kg	04.02.2020 21:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	120		120		70-135	%	04.02.2020 21:46
o-Terphenyl	120		122		70-135	%	04.02.2020 21:46

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

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

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

QC Summary 657244

LT Environmental, Inc.

ADU 816

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3121830 Matrix: Soil Date Prep: 04.02.2020
Parent Sample Id: 657244-038 MS Sample Id: 657244-038 S MSD Sample Id: 657244-038 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<49.9	998	966	97	881	88	70-135	9	35	mg/kg	04.02.2020 21:46	
Diesel Range Organics (DRO)	<49.9	998	1050	105	940	94	70-135	11	35	mg/kg	04.02.2020 21:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	122		124		70-135	%	04.02.2020 21:46
o-Terphenyl	117		105		70-135	%	04.02.2020 21:46

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3121560 Matrix: Solid Date Prep: 03.30.2020
MB Sample Id: 7700097-1-BLK LCS Sample Id: 7700097-1-BKS LCSD Sample Id: 7700097-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.117	117	0.125	125	70-130	7	35	mg/kg	03.31.2020 09:08	
Toluene	<0.00200	0.100	0.106	106	0.113	113	70-130	6	35	mg/kg	03.31.2020 09:08	
Ethylbenzene	<0.00200	0.100	0.0978	98	0.104	104	71-129	6	35	mg/kg	03.31.2020 09:08	
m,p-Xylenes	<0.00400	0.200	0.189	95	0.201	101	70-135	6	35	mg/kg	03.31.2020 09:08	
o-Xylene	<0.00200	0.100	0.0978	98	0.104	104	71-133	6	35	mg/kg	03.31.2020 09:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		110		110		70-130	%	03.31.2020 09:08
4-Bromofluorobenzene	93		86		85		70-130	%	03.31.2020 09:08

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5030B
Seq Number: 3121562 Matrix: Solid Date Prep: 03.30.2020
MB Sample Id: 7700098-1-BLK LCS Sample Id: 7700098-1-BKS LCSD Sample Id: 7700098-1-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	0.113	113	0.109	109	70-130	4	35	mg/kg	03.31.2020 07:50	
Toluene	<0.00200	0.100	0.107	107	0.102	102	70-130	5	35	mg/kg	03.31.2020 07:50	
Ethylbenzene	<0.00200	0.100	0.101	101	0.0943	94	71-129	7	35	mg/kg	03.31.2020 07:50	
m,p-Xylenes	<0.00400	0.200	0.206	103	0.193	97	70-135	7	35	mg/kg	03.31.2020 07:50	
o-Xylene	<0.00200	0.100	0.105	105	0.0991	99	71-133	6	35	mg/kg	03.31.2020 07:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		107		108		70-130	%	03.31.2020 07:50
4-Bromofluorobenzene	96		90		93		70-130	%	03.31.2020 07:50

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

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

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

QC Summary 657244

LT Environmental, Inc.

ADU 816

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121568 — Matrix: Solid — Date Prep: 03.31.2020
MB Sample Id: 7700194-1-BLK — LCS Sample Id: 7700194-1-BKS — LCSD Sample Id: 7700194-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.108	108	0.112	112	70-130	4	35	mg/kg	03.31.2020 18:08	
Toluene	<0.00200	0.100	0.103	103	0.107	107	70-130	4	35	mg/kg	03.31.2020 18:08	
Ethylbenzene	<0.00200	0.100	0.0961	96	0.101	101	71-129	5	35	mg/kg	03.31.2020 18:08	
m,p-Xylenes	<0.00400	0.200	0.198	99	0.209	105	70-135	5	35	mg/kg	03.31.2020 18:08	
o-Xylene	<0.00200	0.100	0.100	100	0.106	106	71-133	6	35	mg/kg	03.31.2020 18:08	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		110		108		70-130	%	03.31.2020 18:08
4-Bromofluorobenzene	97		96		93		70-130	%	03.31.2020 18:08

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121835 — Matrix: Solid — Date Prep: 04.01.2020
MB Sample Id: 7700193-1-BLK — LCS Sample Id: 7700193-1-BKS — LCSD Sample Id: 7700193-1-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	0.122	122	0.123	123	70-130	1	35	mg/kg	04.02.2020 06:29	
Toluene	<0.00200	0.100	0.129	129	0.122	122	70-130	6	35	mg/kg	04.02.2020 06:29	
Ethylbenzene	<0.00200	0.100	0.120	120	0.113	113	71-129	6	35	mg/kg	04.02.2020 06:29	
m,p-Xylenes	<0.00400	0.200	0.233	117	0.219	110	70-135	6	35	mg/kg	04.02.2020 06:29	
o-Xylene	<0.00200	0.100	0.119	119	0.112	112	71-133	6	35	mg/kg	04.02.2020 06:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	114		107		108		70-130	%	04.02.2020 06:29
4-Bromofluorobenzene	92		83		86		70-130	%	04.02.2020 06:29

Analytical Method: BTEX by EPA 8021B — Prep Method: SW5030B
Seq Number: 3121560 — Matrix: Soil — Date Prep: 03.30.2020
Parent Sample Id: 657244-007 — MS Sample Id: 657244-007 S — MSD Sample Id: 657244-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0937	94	0.111	111	70-130	17	35	mg/kg	03.31.2020 09:49	
Toluene	<0.00201	0.100	0.0818	82	0.0981	98	70-130	18	35	mg/kg	03.31.2020 09:49	
Ethylbenzene	<0.00201	0.100	0.0746	75	0.0904	90	71-129	19	35	mg/kg	03.31.2020 09:49	
m,p-Xylenes	<0.00402	0.201	0.143	71	0.171	86	70-135	18	35	mg/kg	03.31.2020 09:49	
o-Xylene	<0.00201	0.100	0.0727	73	0.0879	88	71-133	19	35	mg/kg	03.31.2020 09:49	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		110		70-130	%	03.31.2020 09:49
4-Bromofluorobenzene	84		89		70-130	%	03.31.2020 09:49

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

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

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

QC Summary 657244

LT Environmental, Inc.

ADU 816

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3121562 | Matrix: Soil | Date Prep: 03.30.2020
Parent Sample Id: 657244-009 | MS Sample Id: 657244-009 S | MSD Sample Id: 657244-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.104	103	0.103	102	70-130	1	35	mg/kg	03.31.2020 08:31	
Toluene	<0.00202	0.101	0.0991	98	0.0978	97	70-130	1	35	mg/kg	03.31.2020 08:31	
Ethylbenzene	<0.00202	0.101	0.0926	92	0.0925	92	71-129	0	35	mg/kg	03.31.2020 08:31	
m,p-Xylenes	<0.00404	0.202	0.191	95	0.189	94	70-135	1	35	mg/kg	03.31.2020 08:31	
o-Xylene	<0.00202	0.101	0.0962	95	0.0966	96	71-133	0	35	mg/kg	03.31.2020 08:31	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		108		70-130	%	03.31.2020 08:31
4-Bromofluorobenzene	94		95		70-130	%	03.31.2020 08:31

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3121568 | Matrix: Soil | Date Prep: 03.31.2020
Parent Sample Id: 657379-001 | MS Sample Id: 657379-001 S | MSD Sample Id: 657379-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0993	100	0.0785	79	70-130	23	35	mg/kg	03.31.2020 18:49	
Toluene	<0.00198	0.0990	0.0918	93	0.0882	88	70-130	4	35	mg/kg	03.31.2020 18:49	
Ethylbenzene	<0.00198	0.0990	0.0858	87	0.0882	88	71-129	3	35	mg/kg	03.31.2020 18:49	
m,p-Xylenes	<0.00396	0.198	0.175	88	0.158	79	70-135	10	35	mg/kg	03.31.2020 18:49	
o-Xylene	<0.00198	0.0990	0.0898	91	0.0812	81	71-133	10	35	mg/kg	03.31.2020 18:49	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		108		70-130	%	03.31.2020 18:49
4-Bromofluorobenzene	96		94		70-130	%	03.31.2020 18:49

Analytical Method: BTEX by EPA 8021B | Prep Method: SW5030B
Seq Number: 3121835 | Matrix: Soil | Date Prep: 04.01.2020
Parent Sample Id: 657244-041 | MS Sample Id: 657244-041 S | MSD Sample Id: 657244-041 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.121	121	0.116	116	70-130	4	35	mg/kg	04.02.2020 07:10	
Toluene	<0.00199	0.0996	0.109	109	0.104	104	70-130	5	35	mg/kg	04.02.2020 07:10	
Ethylbenzene	<0.00199	0.0996	0.101	101	0.0954	96	71-129	6	35	mg/kg	04.02.2020 07:10	
m,p-Xylenes	<0.00398	0.199	0.195	98	0.183	92	70-135	6	35	mg/kg	04.02.2020 07:10	
o-Xylene	<0.00199	0.0996	0.0998	100	0.0938	94	71-133	6	35	mg/kg	04.02.2020 07:10	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		109		70-130	%	04.02.2020 07:10
4-Bromofluorobenzene	86		87		70-130	%	04.02.2020 07:10

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

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

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

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Chain of Custody

Work Order No: 057244

XENCO LABORATORIES
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Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/US ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	2.0	Thermometer ID	TNM007
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	54

CC 3/30/20

ANALYSIS REQUEST

Work Order Notes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
BH13	S	3/27/20	1238	0.5	1	X	X	X	MW07
BH13A			1240	5					MW07A
BH13B			1241	10					MW07B
BH13C			1308	15					MW07C
BH13D			1310	20					MW07D
BH13E			1312	25					MW07E
BH13F			1314	30					MW07F
BH13G			1327	35					MW07G
BH13H			1330	37					MW07H
BH09	↓	↓	1442	0.5	↓	↓	↓	↓	

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

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time		Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/30/20 8:00am	2			3/30/20 08:32
3				4			
5				6			

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
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Released to Imaging: 6/9/2022 4:17:14 PM
Final 1.001

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Chain of Custody

Work Order No: 657244

XENCO LABORATORIES
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
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Atlanta, GA (770) 449-8800
www.xenco.com

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	01291922	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	1.8	Thermometer ID	
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)
BH09A	S	3/27/20	1448	5	1	X	X	X
BH09B			1455	10				
BH09C			1457	15				
BH09D			1516	20				
BH09E			1520	25				
BH09F			1525	30				
BH09G			1548	35				
BH09H			1550	37				
BH14		3/28/20	0833	0.5				
BH14A			0835	5				

Work Order Notes

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

Sample Comments

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

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/30/20 8:00 AM	2		3/30/20 08:32
3				4		
5				6		

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
Final 1.001
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Chain of Custody

Work Order No: 657244

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, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
Atlanta, GA (770) 449-8800
www.xenco.com

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

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level ☐ PST/US ☐ TRR ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	01291922	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	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 8021)	Chloride (EPA 300.0)
BH14B	S	3/28/20	0842	10	1	X	X	X
BH14C			0850	15				
BH14D			0853	20				
BH14E			0903	25				
BH14F			0914	30				
BH14G			0928	35				
BH14H			0930	37				
MW05			1018	0.5				
MW05A			1020	5				
MW05B			1036	10				

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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1			3/30/20 8:00	2		3/30/20 08:32
3				4		
5				6		

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Chain of Custody

Work Order No: 657244

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Tampa, FL (813) 620-2000, Tallahassee, FL (850) 756-0747, Delray Beach, FL (561) 689-6701
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Work Order Comments

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

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	0.8	Thermometer ID	HP1	
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)
MW05C	S	3/26/20	1039	15	1	X	X	X
MW05D			1050	20				
MW05E			1101	25				
MW05F			1103	30				
MW05G			1117	35				
MW05H			1118	37				
BH12			1511	0.5				
BH12A			1512	5				
BH12B			1514	10				
BH12C	↓	↓	1517	15	↓	↓	↓	↓

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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3			4		
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Chain of Custody

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Phone:	(432) 236-3849 Email:		fsmith@ltenv.com, dmoir@ltenv.com

Work Order Comments

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

Project Name:	ADU 816	Turn Around	
Project Number:	01291922I	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	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)
BH12D	S	3/28/20	1520	20	1	X	X	X
BH12E			1522	25				
BH12F			1525	30				
BH12G			1535	35				
BH12H			1537	37				
BH19		3/29/20	1108	0.5				
BH19A			1110	5				
BH19B			1116	10				
BH19C			1118	15				
BH19D			1122	20				

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3/30/20 8:00am	2		3/30/20 08:32
3				4		
5				6		

Revised Date101419 Rev. 2019.1

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Chain of Custody

Work Order No: 657244

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300, San Antonio, TX (210) 509-3334
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199, Phoenix, AZ (480) 355-0900
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Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfield ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level I ☐ Level ☐ PST/US ☐ TRP ☐ Level ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	ADU 816	Turn Around	
Project Number:	012919221	Routine:	☑
PO #:	2RP-2674	Rush:	
Sampler's Name:	Fatima Smith	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)
BH19E	S	3/29/20	1124	25	1	X	X	X
BH19F			1132	30				
BH19G			1134	35				
BH19H			1141	37				

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/30/20 8:00am	2		3/30/20 08:32
3			4		
5			6		

Revised Date101419 Rev. 2019.1

Received by OCD: 5/11/2020 9:23:10 AM
Released to Imaging: 6/9/2022 4:17:14 PM
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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 03.30.2020 08.32.00 AM

Work Order #: 657244

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: Elizabeth McClellan Date: 03.30.2020

Checklist reviewed by: Jessica Kramer Date: 03.31.2020

Jessica Kramer

Analytical Report 657801

for

LT Environmental, Inc.

Project Manager: Dan Moir

ADU 816

012919221

04.06.2020

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

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

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

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

Released to Imaging: 6/9/2022 4:17:14 PM

04.06.2020

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

Reference: XENCO Report No(s): **657801**
ADU 816
Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657801. 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. 657801 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

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

Released to Imaging: 6/9/2022 4:17:14 PM

Sample Cross Reference 657801

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
MW01	W	04.02.2020 13:50		657801-001
MW02	W	04.02.2020 13:55		657801-002
MW03	W	04.02.2020 14:00		657801-003
MW04	W	04.02.2020 14:05		657801-004
MW05	W	04.02.2020 14:10		657801-005
MW06	W	04.02.2020 14:15		657801-006
MW07	W	04.02.2020 14:20		657801-007

CASE NARRATIVE

Client Name: LT Environmental, Inc.

Project Name: ADU 816

Project ID: *012919221*
Work Order Number(s): *657801*

Report Date: *04.06.2020*
Date Received: *04.02.2020*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Certificate of Analysis Summary 657801

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu 04.02.2020 15:30
Report Date: 04.06.2020 13:45
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	657801-001		657801-002		657801-003		657801-004		657801-005		657801-006	
	Field Id:	MW01		MW02		MW03		MW04		MW05		MW06	
	Depth:												
	Matrix:	WATER		WATER		WATER		WATER		WATER		WATER	
	Sampled:	04.02.2020 13:50		04.02.2020 13:55		04.02.2020 14:00		04.02.2020 14:05		04.02.2020 14:10		04.02.2020 14:15	
Chloride by EPA 300	***Extracted:***	04.05.2020 12:56		04.05.2020 12:56		04.05.2020 12:56		04.05.2020 12:56		04.05.2020 12:56		04.05.2020 12:56	
	Analyzed:	04.05.2020 19:51		04.05.2020 19:56		04.05.2020 20:02		04.05.2020 20:07		04.05.2020 20:23		04.05.2020 20:28	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Chloride		3210	25.0	6340	25.0	1010	25.0	1880	25.0	2710	25.0	1340	25.0
TDS by SM2540C SUB: T104704215-19-30	***Extracted:***												
	Analyzed:	04.06.2020 08:15		04.06.2020 08:15		04.06.2020 08:15		04.06.2020 08:15		04.06.2020 08:15		04.06.2020 08:15	
	Units/RL:	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL	mg/L	RL
Total Dissolved Solids		9190	5.00	15200	5.00	5700	5.00	7290	5.00	8670	5.00	6290	5.00

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

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

Jessica Kramer
Project Manager

Certificate of Analysis Summary 657801

LT Environmental, Inc., Arvada, CO

Project Name: ADU 816

Project Id: 012919221
Contact: Dan Moir
Project Location:

Date Received in Lab: Thu 04.02.2020 15:30
Report Date: 04.06.2020 13:45
Project Manager: Jessica Kramer

Analysis Requested								
	Lab Id:	657801-007						
	Field Id:	MW07						
	Depth:							
	Matrix:	WATER						
	Sampled:	04.02.2020 14:20						
Chloride by EPA 300	***Extracted:***	04.05.2020 12:56						
	Analyzed:	04.05.2020 20:33						
	Units/RL:	mg/L	RL					
Chloride		2150	25.0					
TDS by SM2540C SUB: T104704215-19-30	***Extracted:***							
	Analyzed:	04.06.2020 08:15						
	Units/RL:	mg/L	RL					
Total Dissolved Solids		20300	5.00					

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
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Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

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

Jessica Kramer
Project Manager

Certificate of Analytical Results 657801

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **MW01** Matrix: Water Date Received:04.02.2020 15:30

Lab Sample Id: 657801-001 Date Collected: 04.02.2020 13:50

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 04.05.2020 12:56

Seq Number: 3121975

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3210**	25.0	mg/L	04.05.2020 19:51		50

Analytical Method: TDS by SM2540C

Tech: JCL % Moisture:

Analyst: JCL

Seq Number: 3122028 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Dissolved Solids	1642222	**9190**	5.00	mg/L	04.06.2020 08:15		1

Certificate of Analytical Results 657801

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **MW02** Matrix: Water Date Received:04.02.2020 15:30

Lab Sample Id: 657801-002 Date Collected: 04.02.2020 13:55

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 04.05.2020 12:56

Seq Number: 3121975

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6340**	25.0	mg/L	04.05.2020 19:56		50

Analytical Method: TDS by SM2540C

Tech: JCL % Moisture:

Analyst: JCL

Seq Number: 3122028 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Dissolved Solids	1642222	**15200**	5.00	mg/L	04.06.2020 08:15		1

Certificate of Analytical Results 657801

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **MW03** Matrix: Water Date Received:04.02.2020 15:30

Lab Sample Id: 657801-003 Date Collected: 04.02.2020 14:00

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 04.05.2020 12:56

Seq Number: 3121975

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1010**	25.0	mg/L	04.05.2020 20:02		50

Analytical Method: TDS by SM2540C

Tech: JCL % Moisture:

Analyst: JCL

Seq Number: 3122028 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Dissolved Solids	1642222	**5700**	5.00	mg/L	04.06.2020 08:15		1

Certificate of Analytical Results 657801

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **MW04** Matrix: Water Date Received:04.02.2020 15:30

Lab Sample Id: 657801-004 Date Collected: 04.02.2020 14:05

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 04.05.2020 12:56

Seq Number: 3121975

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1880**	25.0	mg/L	04.05.2020 20:07		50

Analytical Method: TDS by SM2540C

Tech: JCL % Moisture:

Analyst: JCL

Seq Number: 3122028 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Dissolved Solids	1642222	**7290**	5.00	mg/L	04.06.2020 08:15		1

Certificate of Analytical Results 657801

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **MW05** Matrix: Water Date Received:04.02.2020 15:30

Lab Sample Id: 657801-005 Date Collected: 04.02.2020 14:10

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 04.05.2020 12:56

Seq Number: 3121975

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2710**	25.0	mg/L	04.05.2020 20:23		50

Analytical Method: TDS by SM2540C

Tech: JCL % Moisture:

Analyst: JCL

Seq Number: 3122028 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Dissolved Solids	1642222	**8670**	5.00	mg/L	04.06.2020 08:15		1

Certificate of Analytical Results 657801

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **MW06** Matrix: Water Date Received:04.02.2020 15:30

Lab Sample Id: 657801-006 Date Collected: 04.02.2020 14:15

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 04.05.2020 12:56

Seq Number: 3121975

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**1340**	25.0	mg/L	04.05.2020 20:28		50

Analytical Method: TDS by SM2540C

Tech: JCL % Moisture:

Analyst: JCL

Seq Number: 3122028 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Dissolved Solids	1642222	**6290**	5.00	mg/L	04.06.2020 08:15		1

Certificate of Analytical Results 657801

LT Environmental, Inc., Arvada, CO

ADU 816

Sample Id: **MW07** Matrix: Water Date Received:04.02.2020 15:30

Lab Sample Id: 657801-007 Date Collected: 04.02.2020 14:20

Analytical Method: Chloride by EPA 300 Prep Method: E300P

Tech: MAB % Moisture:

Analyst: MAB Date Prep: 04.05.2020 12:56

Seq Number: 3121975

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**2150**	25.0	mg/L	04.05.2020 20:33		50

Analytical Method: TDS by SM2540C

Tech: JCL % Moisture:

Analyst: JCL

Seq Number: 3122028 SUB: T104704215-19-30

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Total Dissolved Solids	1642222	**20300**	5.00	mg/L	04.06.2020 08:15		1

Flagging Criteria

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

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

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

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

F RPD exceeded lab control limits.

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

U Analyte was not detected.

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

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

K Sample analyzed outside of recommended hold time.

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

** Surrogate recovered outside laboratory control limit.

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

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

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

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

+ NELAC certification not offered for this compound.

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

Released to Imaging: 6/9/2022 4:17:14 PM

QC Summary 657801

LT Environmental, Inc.

ADU 816

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3121975 Matrix: Water Date Prep: 04.05.2020
MB Sample Id: 7700525-1-BLK LCS Sample Id: 7700525-1-BKS LCSD Sample Id: 7700525-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.500	25.0	25.9	104	26.1	104	90-110	1	20	mg/L	04.05.2020 19:25	

Analytical Method: **Chloride by EPA 300** Prep Method: E300P
Seq Number: 3121975 Matrix: Water Date Prep: 04.05.2020
Parent Sample Id: 657808-004 MS Sample Id: 657808-004 S MSD Sample Id: 657808-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2050	50.0	2110	120	2100	100	90-110	0	20	mg/L	04.05.2020 19:40	X

Analytical Method: **TDS by SM2540C**
Seq Number: 3122028 Matrix: Water
MB Sample Id: 3122028-1-BLK LCS Sample Id: 3122028-1-BKS LCSD Sample Id: 3122028-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Dissolved Solids	<5.00	1000	973	97	972	97	80-120	0	10	mg/L	04.06.2020 08:15	

Analytical Method: **TDS by SM2540C**
Seq Number: 3122028 Matrix: Water
Parent Sample Id: 657801-001 MD Sample Id: 657801-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Total Dissolved Solids	9190	9190	0	10	mg/L	04.06.2020 08:15	

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

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

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

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Chain of Custody

Work Order No: 457801

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

Page 1 of 1

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	LT Environmental, Inc., Permian office	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 E Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	432.236.3849	Email:	bbelill@ltenv.com

Work Order Comments

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

Project Name:	ADV 816	Turn Around	
Project Number:	01291221	Routine ☐	48hrs
P.O. Number:	2RP-2674	Rush:	~~24HR~~ TAT
Sampler's Name:	Benjamin Belill	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	3.0	Thermometer ID		
Received Intact:	(Yes) No	TNM007		
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes (No) N/A	Total Containers:	14	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	[redacted]	TDS	Chloride (EPA 300.0)
MW01	W	4/2/20	1350	—	2		1	1
MW02			1355	—				
MW03			1400	—				
MW04			1405	—				
MW05			1410	—				
MW06			1415	—				
MW07			1420	—				

ANALYSIS REQUEST

Work Order Notes

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

Sample Comments

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

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4/2/20 15:30	2		
			4		
			6		

Revised Date 051418 Rev. 2018.1

Received by OCD: 5/11/2020 9:23:10 AM
Final 1.000
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Released to Imaging: 6/9/2022 4:17:14 PM

Inter-Office Shipment

IOS Number : 61523

Date/Time:	04.03.2020	Created by:	Elizabeth Mcclellan	Please send report to:	Jessica Kramer
Lab# From:	**Carlsbad**	Delivery Priority:		Address:	1089 N Canal Street
Lab# To:	**Houston**	Air Bill No.:	770171097563	E-Mail:	jessica.kramer@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
657801-001	W	MW01	04.02.2020 13:50	SM2540C	TDS by SM2540C	**04.06.2020**	**04.09.2020 13:50**	JKR	TDS	
657801-002	W	MW02	04.02.2020 13:55	SM2540C	TDS by SM2540C	**04.06.2020**	**04.09.2020 13:55**	JKR	TDS	
657801-003	W	MW03	04.02.2020 14:00	SM2540C	TDS by SM2540C	**04.06.2020**	**04.09.2020 14:00**	JKR	TDS	
657801-004	W	MW04	04.02.2020 14:05	SM2540C	TDS by SM2540C	**04.06.2020**	**04.09.2020 14:05**	JKR	TDS	
657801-005	W	MW05	04.02.2020 14:10	SM2540C	TDS by SM2540C	**04.06.2020**	**04.09.2020 14:10**	JKR	TDS	
657801-006	W	MW06	04.02.2020 14:15	SM2540C	TDS by SM2540C	**04.06.2020**	**04.09.2020 14:15**	JKR	TDS	
657801-007	W	MW07	04.02.2020 14:20	SM2540C	TDS by SM2540C	**04.06.2020**	**04.09.2020 14:20**	JKR	TDS	

Inter Office Shipment or Sample Comments:

Relinquished By: Elizabeth McClellan

Date Relinquished: 04.03.2020

Received By: Jhyrom Edralin

Date Received: 04.04.2020

Cooler Temperature: 3.3

XENCO Laboratories

Inter Office Report- Sample Receipt Checklist

Sent To: Houston

IOS #: 61523

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : hou-068

Sent By: Elizabeth McClellan **Date Sent:** 04.03.2020 11.54 AM

Received By: Lesia Minor **Date Received:** 04.04.2020 09.30 AM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3.3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 *Custody Seals Signed and dated for Containers/coolers	**N/A**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**No**	1 gallon plastic container
#11 Samples properly preserved?	**No**	not preserved
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

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

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: _____ Date: 04.04.2020

Jhyrom Edralin

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Date/ Time Received: 04.02.2020 03.30.00 PM

Work Order #: 657801

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

Temperature Measuring device used : T-NM-007

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

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

Analyst: PH Device/Lot#:

Checklist completed by: Elizabeth McClellan Date: 04.02.2020

Checklist reviewed by: Jessica Kramer Date: 04.03.2020

Jessica Kramer

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 8179

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 8179
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	The OCD agrees that additional remediation activities are warranted, and that full delineation must be first determined. The proposed remediation work plan is approved with the following conditions. - The installation of additional the proposed soil boring/monitoring well sites is approved. These should be well purged after being set and all new and existing wells should be sampled 48 hours following the installation of the proposed new 3 soil boring/monitoring wells. - The two 4" wells are not approved at this time - For the groundwater assessment, EPA Method 300.0 should be used for the analysis of Chlorides and TDS as well as general chemistry for anions and cations, BTEX and Benzene. - Once soil and groundwater impacts have been fully delineated, a revised soil remediation report and ground water abatement plan should be resubmitted.	6/9/2022