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

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Incident ID	NRM2021847858
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Longitude

Latitude			

Site Name	Site Type
Date Release Discovered	API# (if applicable)

(NAD 83 in decimal degrees to 5 decimal places)

Unit Letter	Section	Township	Range	County

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)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release	1	1

Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?
🗌 Yes 🗌 No	
If YES, was immediate no	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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

The source of the release has been stopped.

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

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

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

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

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

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

Printed Name:	Title:
Signature: CMB	Date:
email:	Telephone:
OCD Only	
Received by: Ramona Marcus	Date: <u>8/5/2020</u>

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NRM2021847858

Location:	JRU 119 Flowline		
Spill Date:	7/23/2020		
	Area 1		
Approximate A	rea =	814.00	sq. ft.
Average Satura	tion (or depth) of spill =	24.00	inches
Average Porosi	ty Factor =	0.15	
	VOLUME OF LEAK		
Total Crude Oil	=	0.03	bbls
Total Produced	Water =	43.46	bbls

TOTAL VOLUME OF LEAK			
Total Crude Oil =	0.03	bbls	
Total Produced Water =	43.46	bbls	
TOTAL VOLUME RECOVERED			
Total Crude Oil =	0.00	bbls	
Total Produced Water =	0.00	bbls	

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Incident ID	NRM2021847858
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Site Assessment/Characterization

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

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

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

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

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

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

Page 3

Received by OCD: 12/2	3/2020 1:40:24 PM	vico			Page 5 of 108
				Incident ID	NRM2021847858
Page 4	Oil Conservation Di	v1810n		District RP	
				Facility ID	
				Application ID	
regulations all operators public health or the envi failed to adequately inve addition, OCD acceptant and/or regulations. Printed Name:	nformation given above is true and compl are required to report and/or file certain re conment. The acceptance of a C-141 repor stigate and remediate contamination that p se of a C-141 report does not relieve the op Kyle Littrell	elease notifications and rt by the OCD does not pose a threat to groundw perator of responsibility Title:	perform cc relieve the vater, surfa for compl	prrective actions for rele e operator of liability she ce water, human health liance with any other fee Supervisor	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
email: <u>Kyle I</u>	.ittrell@xtoenergy.com	Tele	phone:	(432)-221-7331	
OCD Only Received by: Crist	ina Eads	Da	e: 10/2	0/2020	

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Oil Conservation Division

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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: ______ Kyle Littrell ______ Title: ______ SH&E Supervisor______ Signature: _____ Date: _____ Telephone: _____432-221-7331 email: _____Kyle_Littrell@xtoenergy.com **OCD Only** Received by: Cristina Eads Date: 10/20/2020 Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Date: 12/23/2020 Printed Name: Cristina Eads Title: Environmental Specialist

LT Environmental, Inc.

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

A proud member of WSP

October 20, 2020

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

RE: Closure Request JRU 119 Incident Number NRM2021847858 Eddy County, New Mexico

To Whom it May Concern:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, soil sampling, and excavation activities at the JRU 119 (Site) in Unit G, Section 17, Township 23 South, Range 31 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, soil sampling, and excavation activities was to address impacts to soil resulting from a release of crude oil and produced water at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NRM2021847858.

RELEASE BACKGROUND

On July 23, 2020, a corrosion hole in a steel flowline resulted in the release of 0.03 barrels (bbls) of crude oil and 43.46 bbls of produced water in the pasture area adjacent to the flowline. No fluids were recovered. XTO immediately reported the release to the New Mexico Oil Conservation Division (NMOCD) via email on July 24, 2020 and submitted a Release Notification Form C-141 on August 4, 2020. The release was assigned Incident Number NRM2021847858.

SITE CHARACTERIZATION

LTE characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geologic Survey (USGS) well 321809103481801, located approximately 0.5 miles southwest of the Site. The groundwater well has a reported depth to groundwater of 128 feet bgs and a total depth of 354 feet bgs; the depth to water was most recently measured in January 2013. All wells used for depth to groundwater determination are depicted on Figure 1 and are referenced in in Attachment 1. The closest



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continuously flowing water or significant watercourse to the Site is an unnamed dry wash, located approximately 1.6 miles northwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation closure criteria of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top four feet of the pasture area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top four feet of areas that will be reclaimed following remediation.

INITIAL SITE ASSESSMENT AND ANALYTICAL RESULTS

On August 6, 2020, LTE personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. LTE personnel collected three preliminary assessment soil samples (SS01 through SS03) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of impacted soil. Soil from the preliminary soil samples was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach[®] chloride QuanTab[®] test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

The preliminary soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and



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TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for preliminary soil samples SS01 through SS03 indicated that TPH-GRO/TPH-DRO and TPH concentrations exceeded the Closure Criteria. Additionally, TPH and chloride concentrations exceeded the reclamation criteria applied to the top four feet. Based on visible staining in the release area, field screening activities, and laboratory analytical results for the preliminary soil samples, excavation of impacted soil was warranted.

EXCAVATION ACTIVITIES

Between September 21, 2020 and September 30, 2020, LTE personnel returned to the Site to oversee excavation activities as indicated by visual observations, field screening activities, and laboratory analytical results for the preliminary soil samples. To direct excavation activities, LTE screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Following removal of impacted soil, LTE collected 5-point composite soil samples at least every 200 square feet from the sidewalls and floor of the excavations. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS04 were collected from the floor of the excavation at depths ranging from 7 feet to 8 feet bgs. Composite sidewall soil samples SW01 through SW07 were collected from the sidewalls of the excavation at depths ranging from ground surface to the bottom of the excavation (7 feet to 8 feet bgs). On October 16, 2020, additional composite samples were collected from the excavation sidewall area represented by sidewall sample SW04. The samples were collected at depth intervals of 0 to 4 feet bgs and 4 feet to 7 feet bgs to confirm chloride concentrations in the top four feet were compliant with the reclamation criteria. The excavation soil samples were collected, handled, and analyzed as described above at Xenco in Carlsbad, New Mexico. The excavation extent and final excavation soil sample locations are presented on Figure 3. Photographic documentation was conducted during the visit to the Site. A photographic log is included in Attachment 2.

The excavation measured approximately 730 square feet. A total of approximately 190 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil samples SS01 through SS03 indicated that TPH-GRO/TPH-DRO and TPH concentrations exceeded the Closure Criteria, and TPH and chloride concentrations exceeded the reclamation criteria. Based on the laboratory analytical results, impacted soil was excavated.



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Laboratory analytical results for excavation soil samples FS01 through FS04 and SW01 through SW07, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. In addition, confirmation soil samples collected in the top four feet of pasture areas were compliant with the reclamation criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 3.

CONCLUSIONS

Site assessment and excavation activities were conducted to address the July 23, 2020, release of produced water and crude oil. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, excavation soil samples collected in the pasture from the top four feet of the subsurface were compliant with the reclamation criteria. Based on the excavation soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions. The pasture excavation will be re-seeded with an approved BLM seed mixture.

Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater has been determined to be greater than 100 feet bgs based and no other sensitive receptors were identified near the release extent. LTE and XTO believe the remedial actions completed are protective of human health, the environment, and groundwater. XTO requests no further action for Incident Number NRM2021847858.

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

Sincerely,

LT ENVIRONMENTAL, INC.

Elizabeth Naka

Elizabeth Naka Staff Environmental Scientist

Ashley L. Ager

Ashley L Ager, P.G. Senior Geologist

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

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Victoria Venegas, NMOCD

Attachments:

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

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FIGURES





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TABLES



TABLE 1 SOIL ANALYTICAL RESULTS

JRU 119 INCIDENT NUMBER NRM2021847858 EDDY COUNTY, NEW MEXICO XTO ENERGY, INC.

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table	e 1 Closure Crit	eria	10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
SS01	0.5	08/06/2020	0.0528	0.212	0.0736	0.278	0.616	<300	34,000	5,510	34,000	39,500	4,550
SS02	0.5	08/06/2020	<0.100	2.84	3.09	15.6	21.5	874	26,600	3,650	27,500	31,100	14,400
SS03	0.5	08/06/2020	<0.00676	0.210	0.301	1.68	2.19	<251	10,900	1,230	10,900	12,100	5,270
SW01	0 - 8	09/30/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	82.7	<50.0	82.7	82.7	49.7
SW02	0 - 7	09/30/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.1	91.9	<50.1	91.9	91.9	34.3
SW03	0 - 7	09/30/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	94.1
SW04	0 - 7	09/30/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<50.2	146	<50.2	146	146	5,850
SW04	0 - 4	10/16/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	12.0
SW04	4 - 7	10/16/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	159	<50.3	159	159	15,000
SW05	0 - 7	09/30/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	101
SW06	0 - 7	09/30/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	182
SW07	0 - 8	09/30/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.0	54.1	<50.0	54.1	54.1	339
FS01	8	09/30/2020	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	<50.2	249	<50.2	249	249	17,700
FS02	7	09/30/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	112	<50.3	112	112	8,300
FS03	7	09/30/2020	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	<49.8	104	<49.8	104	104	8,370
FS04	7	09/30/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.2	116	<50.2	116	116	8,150

Notes:

- bgs below ground surface
- BTEX benzene, toluene, ethylbenzene, and total xylenes
- DRO diesel range organics
- GRO gasoline range organics
- mg/kg milligrams per kilogram

MRO - motor oil range organics NMAC - New Mexico Administrative Code NMOCD - New Mexico Oil Conservation Division NE - not established TPH - total petroleum hydrocarbons Bold - indicates result exceeds the applicable regulatory standard < - indicates result is below laboratory reporting limits Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29 August 2018 TEXT - indicates soil removed during excavation activities



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	(quarters are 1=NW 2=NE 3=SW 4=SE)										
		(quarters are sma	llest to largest)	(NAD83 UTM in meters)							
Well Tag	POD Number	Q64 Q16 Q4	Sec Tws Rng	X Y							
	C 02492 POD2	3 2 2	07 23S 31E	611767 3576996 🧧							
Driller Lice	ense: 1509	Driller Compan	y: BMS DRIL	LING COMPANY							
Driller Nan	ne: ROYBAL, JOE D	D. (LD)									
Drill Start	Date: 05/14/2012	Drill Finish Dat	e: 05/31/201	2 Plug Date:							
Log File Da	te: 08/27/2013	PCW Rcv Dates	:	Source:	Shallow						
Pump Type	:	Pipe Discharge	Size:	Estimated Yield	: 30 GPM						
Casing Size	: 6.00	Depth Well:	400 feet	Depth Water:	125 feet						
	Meter Number:	16563	Meter Make:	MASTERMET	ER						
	Meter Serial Number:	53527168	Meter Multipli	ier: 1.0000							

Meter Serial Number:	53527168	Meter Multiplier:	1.0000
Number of Dials:	9	Meter Type:	Diversion
Unit of Measure:	Gallons	Return Flow Percent:	
Usage Multiplier:		Reading Frequency:	

Meter Readings (in Acre-Feet)

Read Date	Year M	Itr Reading	Flag	g Rdr Comment	Mtr Amount Online
01/01/2015	2015	39508400	А	RPT	0
04/01/2015	2015	47638000	А	RPT	24.949
04/30/2015	2015	51651000	А	RPT	12.315
05/31/2015	2015	56066600	А	RPT	13.551
07/01/2015	2015	58740300	А	RPT	8.205
08/01/2015	2015	62357200	А	RPT	11.100
08/31/2015	2015	66100700	А	RPT	11.488
10/01/2015	2015	69225500	А	RPT	9.590
12/01/2015	2015	76310300	А	RPT	21.742
01/01/2016	2016	76310300	А	RPT	0
02/01/2016	2016	76310300	А	RPT	0
03/02/2016	2016	78841100	А	RPT	7.767
04/01/2016	2016	80952800	А	RPT	6.481
05/01/2016	2016	82055300	А	RPT	3.383
06/01/2016	2016	85605600	А	RPT	10.895
07/01/2016	2016	88115890	А	RPT	7.704
07/02/2016	2016	22996000	А	RPT	0
08/01/2016	2016	23851600	А	RPT	2.626
10/01/2016	2016	29486000	А	RPT	17.291
11/01/2016	2016	29738900	А	RPT	0.776
12/01/2016	2016	29738900	А	RPT	0
12/31/2016	2016	29738900	А	RPT	0
**YTD Mete	er Amounts:	Year		Amount	
		2015		112.940	
		2016		56.923	

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

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Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng X Y C 02664 3 3 2 05 238 31E 613049 3578138* Image: Company: Co			(quarters are 1=NW 2=N (quarters are smallest t	/	(NAD83 UTM in meters)	
X Driller License: 331 Driller Company: SBQ2, LLC DBA STEWART BROTHERS DRILL: CO. Driller Name: Drill Finish Date: 02/11/2004 Plug Date: Source: Drill Start Date: 02/20/2004 PCW Rcv Date: Source: Shallow	Well Tag	POD Number	Q64 Q16 Q4 Sec	Tws Rng	X Y	
Driller License: 331 Driller Company: SBQ2, LLC DBA STEWART BROTHERS DRILL. CO. Driller Name: Drill Finish Date: 02/11/2004 Plug Date: Dog File Date: 02/20/2004 PCW Rcv Date: Source: Shallow		C 02664	3 3 2 05	23S 31E	613049 3578138* 🧲	
Log File Date:02/20/2004PCW Rcv Date:Source:Shallow	Driller Licen		Driller Company:		DBA STEWART BROTH	IERS DRILLING
	Drill Start D	oate: 01/20/2004	Drill Finish Date:	02/11/2004	Plug Date:	
Pump Type:Pipe Discharge Size:Estimated Yield:	Log File Dat	e: 02/20/2004	PCW Rcv Date:		Source:	Shallow
	Pump Type:		Pipe Discharge Size	:	Estimated Yield:	:
Casing Size: 13.00 Depth Well: 4291 feet Depth Water: 354 feet	Casing Size:	13.00	Depth Well:	4291 feet	Depth Water:	354 feet

*UTM location was derived from PLSS - see Help

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10/9/20 8:30 AM



			(quarte	ers are 1=	=NW 2	=NE 3=S	W 4=SE)			
			(quar	ters are s	malles	to larges	t)	(NAD83 UT	M in meters)	
Well Tag	POD	Number	Q64	Q16 Q	4 Se	c Tws	Rng	Χ	Y	
	C 02	2769 POD2	4	2 4	4 33	22S	31E	615261	3579312 🌍	
Driller Lic Driller Nai		331	Driller	[.] Comp	oany:	SB CC		C DBA STEV	VART BROTH	IERS DRILLINC
Drill Start	Date:	11/02/2011	Drill F	`inish I	Date:	1	1/28/20	11 Plu	g Date:	
Log File Date:		12/14/2011	PCW I	Rev Da	ite:		Source		rce:	Artesian
Pump Typ	e:		Pipe D	ischar	ge Siz	e:		Est	imated Yield:	22 GPM
Casing Siz	e:	5.50	Depth	Well:		7	53 feet	Dep	oth Water:	428 feet
x	Wate	er Bearing Stratif	ications:		Тор	Botton	n Desci	ription		
					720	740	5 Lime	stone/Dolomi	ite/Chalk	
Casing Perfo			forations:	orations: Top		Bottom				
					720	740	Ś			

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			(quarters							
			(quarters	are sm	allest t	o larges	(NAD83 UI	M in meters)		
Well Tag	POD	Number	Q64 Q1	6 Q4	Sec	Tws	Rng	Х	Y	
	C 0	3351	4 1	4	04	23S	31E	614917	3577861 🌍	
Driller Lice	ense:	421	Driller C	ompa	ny:	GL	ENN'S V	WATER WE	LL SERVICE	
Driller Name: GLENN, CLARK			K A."CORKY	' (LD))					
Drill Start Date: 11/20/2007			Drill Fin	Drill Finish Date: 11/20/2007				7 Plu		
Log File Date: 12/04/2007 Pump Type:		12/04/2007	PCW Rc	v Date	e:		Sou	Shallow		
		Pipe Disc	Pipe Discharge Size:					Estimated Yield:		
Casing Size:		6.63	Depth W	epth Well: 320 fe			20 feet	feet Depth Water:		168 feet
X	Wate	er Bearing Stratif	fications:	То	op E	ottom	Descr	iption		
				24	40	265	Sandst	tone/Gravel/	Conglomerate	
Casing Perfor			forations:	ations: Top H			Bottom			
				14	52	304				

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			(quarters) (quarter	are 1=N s are sm				(NAD83 UI		
Well Tag	POD	Number	Q64 Q	16 Q4	Sec	Tws	Rng	X	Y	
	C 03	3749 POD1		2 2	15	23S	31E	616974	3575662 🌍	
Driller Lic Driller Naı		331	Driller (Compa	ny:	SB(CO		DBA STEV	WART BROTH	ERS DRILLING
Drill Start	Date:	07/10/2014	Drill Fin	ish Da	te:	0	8/06/2014	4 Plu	g Date:	
Log File Date: 09/11/20		09/11/2014	PCW Rcv Date:					Sou	Shallow	
Pump Type	e:		Pipe Dis	charge	Size	:		Est	imated Yield:	5 GPM
Casing Size	e:	4.50	Depth W	/ell:		8	65 feet	De	pth Water:	639 feet
x	Wate	r Bearing Stratif	fications:	То	op E	Bottom	Descri	ption		
				82	20	846	Limest	one/Dolom	ite/Chalk	
х		Casing Per	forations:	То	op B	Bottom				
				82	20	846				

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site_no list =

• 321927103483501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321927103483501 23S.31E.07.22211

Available data for this site Groundwater: Field measurements V

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°19'27", Longitude 103°48'35" NAD27 Land-surface elevation 3,302 feet above NAVD88 The depth of the well is 160 feet below land surface. This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

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Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-10-09 10:16:39 EDT 8.33 0.63 nadww01





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• 321936103503401

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USGS 321936103503401 23S.30E.02.44414

Available data for this site Groundwater: Field measurements V

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°19'36", Longitude 103°50'34" NAD27 Land-surface elevation 3,250 feet above NAVD88 The depth of the well is 320 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

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• 321937103503701

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USGS 321937103503701 23S.30E.02.44414 A

Available data for this site Groundwater: Field measurements 🗸 GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°19'40.0", Longitude 103°50'38.7" NAD83 Land-surface elevation 3,268.00 feet above NGVD29 The depth of the well is 317 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

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site_no list =

• 321946103492001

Minimum number of levels = 1

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USGS 321946103492001 23S.31E.06.312333

Available data for this site Groundwater: Field measurements 🗸 GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°19'53.3", Longitude 103°49'24.8" NAD83 Land-surface elevation 3,305.00 feet above NGVD29 The depth of the well is 180 feet below land surface. This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data

Tab-separated data

<u>Graph of data</u>

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USGS 321946103492001 235,31E,06,312333

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• 322046103460301

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USGS 322046103460301 22S.31E.34.321

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°20'46", Longitude 103°46'03" NAD27

Land-surface elevation 3,448 feet above NGVD29

This well is completed in the Delaware Mountain Group (313DLRM) local aquifer.

Output formats

Table of data	
Tab-separated data	
<u>Graph of data</u>	
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site_no list =

• 321648103482101

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USGS 321648103482101 23S.31E.29.11333

Available data for this site Groundwater: Field measurements 🗸 GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°16'48", Longitude 103°48'21" NAD27 Land-surface elevation 3,336 feet above NAVD88 The depth of the well is 220 feet below land surface. This well is completed in the Dewey Lake Redbeds (312DYLK) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

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site_no list = • 321809103481801

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USGS 321809103481801 23S.31E.17.31141

Eddy County, New Mexico Latitude 32°18'11.3", Longitude 103°48'23.4" NAD83 Land-surface elevation 3,326.00 feet above NGVD29 The depth of the well is 354 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurem
1959-02-04		D	110.84				2 F	» ا	l.	
1987-10-15		D	111.20				2	ι	I	
1992-11-04		D	109.68				2	S		
2013-01-16	16:30 MST	m	128.64				2 F	R 5	USGS	

		Explanation
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	Р	Site was being pumped.
Status	R	Site had been pumped recently.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Source of measurement	U	Source is unknown.
Water-level approval status	А	Approved for publication Processing and review completed.

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Section			Code	Description
Questions ab Feedback on Automated re Help Data Tips Explanation of Subscribe for News	<u>this web site</u> trievals f terms	_		
Title: Ground URL: https:// Page Contact In	nt of the Interior vater for USA: nwis.waterdat iformation: <u>USG</u> ied: 2020-08-05	U.S. Geologica Water Levels a.usgs.gov/nw	is/gwlevels?	s and Notices



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Available data for this site Groundwater: Field measurements 🗸

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°19'27", Longitude 103°48'32" NAD27 Land-surface elevation 3,311 feet above NAVD88 The depth of the well is 160 feet below land surface. This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

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PHOTOGRAPHIC LOG



Photograph 1: View of release along steel flowline facing northeast.



Photograph 2: View of release along steel flowline facing southwest.



Photograph 3: View of final excavation facing northeast.



Photograph 4: View of final excavation extent facing northeast.



Page 1 of 1

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eurofins Environment Testing

012920015

Certificate of Analysis Summary 669384

LT Environmental, Inc., Arvada, CO

Project Name: JRU 119

 Date Received in Lab:
 Thu 08.06.2020 13:09

 Report Date:
 08.10.2020 11:54

 Project Manager:
 Jessica Kramer

Lab Id: 669384-001 669384-002 669384-003 Field Id: SS001 SS002 SS003 Analysis Requested 0.5- ft Depth: 0.5- ft 0.5- ft Matrix: SOIL SOIL SOIL Sampled: 08.06.2020 09:49 08.06.2020 09:47 08.06.2020 09:51 BTEX by EPA 8021B 08.06.2020 16:47 08.06.2020 16:47 08.06.2020 16:47 Extracted: Analyzed: 08.06.2020 20:02 08.06.2020 20:57 08.06.2020 21:53 RL mg/kg RL RL Units/RL: mg/kg mg/kg 0.0528 0.0345 < 0.100 < 0.00676 0.00676 0.100 Benzene 0.0345 0.210 0.0270 Toluene 0.212 2.84 0.401 0.0736 0.0345 3.09 0.401 0.301 0.0270 Ethylbenzene 0.192 0.0690 0.802 0.0541 m,p-Xylenes 11.1 1.15 0.527 0.0270 o-Xylene 0.0855 0.0345 4.45 0.401 0.278 0.0345 0.401 0.0270 Total Xylenes 15.6 1.68 Total BTEX 0.616 0.0345 21.5 0.100 2.19 0.00676 Chloride by EPA 300 Extracted: 08.06.2020 16:30 08.06.2020 16:30 08.06.2020 16:30 08.06.2020 18:17 08.06.2020 18:34 08.06.2020 18:40 Analyzed: RL RL RL Units/RL: mg/kg mg/kg mg/kg Chloride 4550 49.4 14400 1000 5270 50.0 TPH by SW8015 Mod Extracted: 08.06.2020 17:15 08.06.2020 17:15 08.06.2020 17:15 Analyzed: 08.07.2020 17:06 08.07.2020 17:27 08.07.2020 02:10 RL mg/kg RL mg/kg RL Units/RL: mg/kg Gasoline Range Hydrocarbons (GRO) <300 300 874 501 <251 251 34000 26600 10900 251 Diesel Range Organics (DRO) 999 501 Motor Oil Range Hydrocarbons (MRO) 999 501 1230 251 5510 3650 34000 27500 10900 Total GRO-DRO 300 501 251 Total TPH 39500 31100 12100 251 300 501

BRL - Below Reporting Limit

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

Project Id:

Project Location:

Contact: Dan Moir

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Analytical Report 669384

for

LT Environmental, Inc.

Project Manager: Dan Moir

JRU 119

012920015

08.10.2020

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7) Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Tampa: Florida (E87429), North Carolina (483) eurofins Environment Testing Xenco

08.10.2020

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

Reference: Eurofins Xenco, LLC Report No(s): 669384 JRU 119 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 Eurofins Xenco, LLC Report Number(s) 669384. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 669384 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jession Vermer

Jessica Kramer Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 669384

JRU 119

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SS001	S	08.06.2020 09:47	0.5 ft	669384-001
SS002	S	08.06.2020 09:49	0.5 ft	669384-002
SS003	S	08.06.2020 09:51	0.5 ft	669384-003

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Environment Testing Xenco

CASE NARRATIVE

Client Name: LT Environmental, Inc. Project Name: JRU 119

 Project ID:
 012920015

 Work Order Number(s):
 669384

Report Date:08.10.2020Date Received:08.06.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

eurofins Environment Testing Xenco

.

Certificate of Analytical Results 669384

LT Environmental, Inc., Arvada, CO

JRU 119

Sample Id: SS001 Lab Sample Id: 669384-001		Matrix: Date Co	Soil ollected: 08.06	5.2020 09:47		Date Received:08.0 Sample Depth: 0.5 f		:09
Analytical Method: Chloride by EF	PA 300					Prep Method: E300	OP	
Tech: MAB						% Moisture:		
Analyst: MAB		Date Pr	ep: 08.06	.2020 16:30		Basis: Wet	Weight	
Seq Number: 3133867								
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4550	49.4		mg/kg	08.06.2020 18:17		5
Analytical Method: TPH by SW80 Tech: DTH	15 Mod					Prep Method: SW8 % Moisture:	3015P	
Analyst:DTHSeq Number:3133852		Date Pr	ep: 08.06	5.2020 17:15			Weight	
J ==	Cas Number	Date Pr Result	ep: 08.06 RL	5.2020 17:15	Units		Weight Flag	Dil
Seq Number: 3133852	Cas Number PHC610			5.2020 17:15	Units mg/kg	Basis: Wet	C	Dil 20
Seq Number: 3133852 Parameter		Result	RL	.2020 17:15		Basis: Wet Analysis Date	Flag	
Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO)	PHC610	Result <300	RL 300	.2020 17:15	mg/kg	Basis: Wet Analysis Date 08.07.2020 17:06	Flag	20
Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	PHC610 C10C28DRO	Result <300 34000	RL 300 999	.2020 17:15	mg/kg mg/kg	Basis: Wet Analysis Date 08.07.2020 17:06 08.07.2020 17:06	Flag	20 20
Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	PHC610 C10C28DRO PHCG2835	Result <300 34000 5510	RL 300 999 999	.2020 17:15	mg/kg mg/kg mg/kg	Basis: Wet Analysis Date 08.07.2020 17:06 08.07.2020 17:06 08.07.2020 17:06	Flag	20 20 20
Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <300 34000 5510 34000	RL 300 999 999 300	0.2020 17:15	mg/kg mg/kg mg/kg mg/kg	Basis: Wet Analysis Date 08.07.2020 17:06 08.07.2020 17:06 08.07.2020 17:06 08.07.2020 17:06 08.07.2020 17:06	Flag	20 20 20 20
Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <300 34000 5510 34000 39500	RL 300 999 999 300 300 300		mg/kg mg/kg mg/kg mg/kg mg/kg	Basis: Wet Analysis Date 08.07.2020 17:06 08.07.2020 17:06 08.07 08	Flag U Flag	20 20 20 20

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Certificate of Analytical Results 669384

LT Environmental, Inc., Arvada, CO JRU 119

Sample Id: Lab Sample I	SS001 d: 669384-001		Matrix: Date Collecte	Soil 1: 08.06.2020 09:47	Date Receiv Sample Dep	ved:08.06.2020 13	3:09
Ĩ	ethod: BTEX by EPA 80	21B				d: SW5035A	
Tech:	MAB				% Moisture	:	
Analyst:	MAB		Date Prep:	08.06.2020 16:47	Basis:	Wet Weight	
Seq Number:	3133863						
Parameter		Cas Number	Result RI		[Inits Analysis	Date Flag	Dil

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.0528	0.0345		mg/kg	08.06.2020 20:02		1
Toluene	108-88-3	0.212	0.0345		mg/kg	08.06.2020 20:02		1
Ethylbenzene	100-41-4	0.0736	0.0345		mg/kg	08.06.2020 20:02		1
m,p-Xylenes	179601-23-1	0.192	0.0690		mg/kg	08.06.2020 20:02		1
o-Xylene	95-47-6	0.0855	0.0345		mg/kg	08.06.2020 20:02		1
Total Xylenes	1330-20-7	0.278	0.0345		mg/kg	08.06.2020 20:02		1
Total BTEX		0.616	0.0345		mg/kg	08.06.2020 20:02		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	100	%	70-130	08.06.2020 20:02		
1,4-Difluorobenzene		540-36-3	97	%	70-130	08.06.2020 20:02		

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o-Terphenyl

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Certificate of Analytical Results 669384

LT Environmental, Inc., Arvada, CO

JRU 119

Sample Id: SS002 Lab Sample Id: 669384-002		Matrix:	Soil	`	Date Received:08.06		:09
Lab Sample Id. 669384-002		Date Coll	ected: 08.06.2020 09:49	9	Sample Depth: 0.5 ft	L	
Analytical Method: Chloride by EPA	A 300				Prep Method: E300)P	
Tech: MAB					% Moisture:		
Analyst: MAB		Date Prep	: 08.06.2020 16:30)	Basis: Wet	Weight	
Seq Number: 3133867		Ĩ				-	
Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14400	1000	mg/kg	08.06.2020 18:34		100
Analytical Method:TPH by SW801Tech:DTHAnalyst:DTHSeq Number:3133852	5 Mod	Date Prep	: 08.06.2020 17:1:	5	Prep Method: SW8 % Moisture: Basis: Wet	015P Weight	
Tech: DTH Analyst: DTH	5 Mod Cas Number	Date Prep Result	: 08.06.2020 17:15 RL	5 Units	% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3133852					% Moisture: Basis: Wet	Weight	Dil 10
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter	Cas Number	Result	RL	Units	% Moisture: Basis: Wet Analysis Date	Weight	
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result 874	RL 501	Units mg/kg	% Moisture: Basis: Wet Analysis Date 08.07.2020 17:27	Weight	10
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result 874 26600	RL 501 501	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 08.07.2020 17:27 08.07.2020 17:27	Weight	10 10
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result 874 26600 3650	RL 501 501 501	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 08.07.2020 17:27 08.07.2020 17:27 08.07.2020 17:27	Weight	10 10 10
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result 874 26600 3650 27500 31100	RL 501 501 501 501	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 08.07.2020 17:27 08.07.2020 17:27 08.07.2020 17:27 08.07.2020 17:27 08.07.2020 17:27 08.07.2020 17:27	Weight	10 10 10 10

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08.07.2020 17:27

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Certificate of Analytical Results 669384

LT Environmental, Inc., Arvada, CO JRU 119

Sample Id: Lab Sample I	SS002 (d: 669384-002		Matrix: Date Collecte	Soil d: 08.06.2020 09:49	Date Receive Sample Dept	ed:08.06.2020 13 h: 0.5 ft	3:09
Analytical M	ethod: BTEX by EPA 80	21B			Prep Method	: SW5035A	
Tech:	MAB				% Moisture:		
Analyst:	MAB		Date Prep:	08.06.2020 16:47	Basis:	Wet Weight	
Seq Number:	3133863						
Parameter		Cas Number	Result RI	. 1	Unite Analysis I	Date Flag	Dil

Cas Numbe	er Result	RL		Units	Analysis Date	Flag	Dil
71-43-2	< 0.100	0.100		mg/kg	08.06.2020 20:57	U	200
108-88-3	2.84	0.401		mg/kg	08.06.2020 20:57		200
100-41-4	3.09	0.401		mg/kg	08.06.2020 20:57		200
179601-23-1	11.1	0.802		mg/kg	08.06.2020 20:57		200
95-47-6	4.45	0.401		mg/kg	08.06.2020 20:57		200
1330-20-7	15.6	0.401		mg/kg	08.06.2020 20:57		200
	21.5	0.100		mg/kg	08.06.2020 20:57		200
	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
	540-36-3	93	%	70-130	08.06.2020 20:57		
	460-00-4	97	%	70-130	08.06.2020 20:57		
	71-43-2 108-88-3 100-41-4 179601-23-1 95-47-6	71-43-2 <0.100	71-43-2 <0.100	71-43-2 <0.100	71-43-2 <0.100 0.100 mg/kg 108-88-3 2.84 0.401 mg/kg 100-41-4 3.09 0.401 mg/kg 179601-23-1 11.1 0.802 mg/kg 95-47-6 4.45 0.401 mg/kg 1330-20-7 15.6 0.401 mg/kg 21.5 0.100 mg/kg Cas Number % Recovery Units 540-36-3 93 % 70-130	71-43-2 <0.100 mg/kg 08.06.2020 20:57 108-88-3 2.84 0.401 mg/kg 08.06.2020 20:57 100-41-4 3.09 0.401 mg/kg 08.06.2020 20:57 179601-23-1 11.1 0.802 mg/kg 08.06.2020 20:57 95-47-6 4.45 0.401 mg/kg 08.06.2020 20:57 1330-20-7 15.6 0.401 mg/kg 08.06.2020 20:57 21.5 0.100 mg/kg 08.06.2020 20:57 Cas Number % Recovery Units Limits Analysis Date 540-36-3 93 % 70-130 08.06.2020 20:57	71-43-2 <0.100 mg/kg 08.06.2020 20:57 U 108-88-3 2.84 0.401 mg/kg 08.06.2020 20:57 U 100-41-4 3.09 0.401 mg/kg 08.06.2020 20:57 U 179601-23-1 11.1 0.802 mg/kg 08.06.2020 20:57 U 95-47-6 4.45 0.401 mg/kg 08.06.2020 20:57 U 1330-20-7 15.6 0.401 mg/kg 08.06.2020 20:57 U Cas Number % Recovery Units Limits Analysis Date Flag 540-36-3 93 % 70-130 08.06.2020 20:57

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Certificate of Analytical Results 669384

LT Environmental, Inc., Arvada, CO

JRU 119

Sample Id: SS003 Lab Sample Id: 669384-003		Matrix: Date Co	Soil ollected: 08.06	5.2020 09:51		Date Received:08.06 Sample Depth: 0.5 ft		:09
Analytical Method: Chloride by EP Tech: MAB	A 300					Prep Method: E300 % Moisture:		
Analyst: MAB Seq Number: 3133867		Date Pr	ep: 08.06	5.2020 16:30		Basis: Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5270	50.0		mg/kg	08.06.2020 18:40		5
Analytical Method:TPH by SW801Tech:DTHAnalyst:DTHSeq Number:3133852	5 Mod	Date Pr	ep: 08.06	5.2020 17:15		Prep Method: SW8 % Moisture: Basis: Wet	8015P Weight	
Tech: DTH Analyst: DTH	5 Mod Cas Number	Date Pr Result	ep: 08.06 RL	5.2020 17:15		% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3133852				5.2020 17:15		% Moisture: Basis: Wet	Weight	Dil 5
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter	Cas Number	Result	RL	5.2020 17:15	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <251	RL 251	.2020 17:15	Units mg/kg	% Moisture: Basis: Wet Analysis Date 08.07.2020 02:10	Weight Flag	5
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <251 10900	RL 251 251	5.2020 17:15	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 08.07.2020 02:10 08.07.2020 02:10	Weight Flag	5 5
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <251 10900 1230	RL 251 251 251	5.2020 17:15	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 08.07.2020 02:10 08.07.2020 02:10 08.07.2020 02:10	Weight Flag	5 5 5
Tech: DTH Analyst: DTH Seq Number: 3133852 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Example of the second	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <251 10900 1230 10900 12100	RL 251 251 251 251	5.2020 17:15 Units	Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 08.07.2020 02:10 08.07.2020 02:10 08.07.2020 02:10 08.07.2020 02:10 08.07.2020 02:10	Weight Flag	5 5 5 5

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Certificate of Analytical Results 669384

LT Environmental, Inc., Arvada, CO JRU 119

Sample Id: Lab Sample I	SS003 d: 669384-003		Matrix: Date Collecte	Soil d: 08.06.2020 09:51		eceived:08.06. e Depth: 0.5 ft	2020 13:09)
Analytical Me	ethod: BTEX by EPA 80	21B			Prep M	ethod: SW50	35A	
Tech:	MAB				% Moi	sture:		
Analyst:	MAB		Date Prep:	08.06.2020 16:47	Basis:	Wet V	Veight	
Seq Number:	3133863							
Parameter		Cas Number	Result DI		Unita Ana	lycic Deto	Flog	ъя

Parameter	Cas Numbe	er Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00676	0.00676		mg/kg	08.06.2020 21:53	U	1
Toluene	108-88-3	0.210	0.0270		mg/kg	08.06.2020 21:53		1
Ethylbenzene	100-41-4	0.301	0.0270		mg/kg	08.06.2020 21:53		1
m,p-Xylenes	179601-23-1	1.15	0.0541		mg/kg	08.06.2020 21:53		1
o-Xylene	95-47-6	0.527	0.0270		mg/kg	08.06.2020 21:53		1
Total Xylenes	1330-20-7	1.68	0.0270		mg/kg	08.06.2020 21:53		1
Total BTEX		2.19	0.00676		mg/kg	08.06.2020 21:53		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	93	%	70-130	08.06.2020 21:53		
4-Bromofluorobenzene		460-00-4	104	%	70-130	08.06.2020 21:53		

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Flagging Criteria

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

** Surrogate recovered outside laboratory control limit.

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

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

Received by OCD: 12/23/2020 1:40:24 RM

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QC Summary 669384

LT Environmental, Inc.

JRU 119

						JKU I	19						
Analytical Method: Seq Number:	Chloride 3133867	by EPA 30	DO		Matrix:					rep Meth Date Pr	rep: 08.0	06.2020	
MB Sample Id:	7708945-	1-BLK			nple Id:	7708945-	1-BKS		LCS	-		8945-1-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	268	107	90-110	0	20	mg/kg	08.06.2020 18:06	
Analytical Method:	Chloride	by EPA 30	DO						P	rep Meth	od: E30	00P	
Seq Number:	3133867				Matrix:		01.0			Date Pr	•	06.2020	
Parent Sample Id:	669384-0	01			nple Id:	669384-0	01 S			-		384-001 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride		4550	202	4760	104		104	90-110	0	20	mg/kg	08.06.2020 18:23	
Analytical Method: Seq Number: MB Sample Id:	TPH by \$ 3133852 7708910-		od		Matrix: nple Id:	Solid 7708910-	1-BKS			rep Meth Date Pr D Sampl	rep: 08.0	8015P)6.2020 8910-1-BSD	
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (GRO)	<50.0	1000	1130	113		7 0 Kec 106	70-135	6	35	mg/kg	08.06.2020 18:44	
Diesel Range Organics	(DRO)	<50.0	1000	1090	109	1150	115	70-135	5	35	mg/kg	08.06.2020 18:44	
Surrogate		MB %Rec	MB Flag		CS Rec	LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1-Chlorooctane		114		1	34		122		70	-135	%	08.06.2020 18:44	
o-Terphenyl		114		1	23		116	i	70	-135	%	08.06.2020 18:44	
Analytical Method: Seq Number:	TPH by 3133852	SW8015 M	od		Matrix: nple Id:	Solid 7708910-	1-BLK		Pi	rep Meth Date Pr		8015P 06.2020	
Parameter				MB							Units	Analysis	Flag
Motor Oil Range Hydrocar	bons (MRO)			Result <50.0							mg/kg	Date 08.06.2020 18:24	0
				<50.0							iiig/kg		
Analytical Method: Seq Number:	3133852		od		Matrix:		10.5			rep Meth Date Pr	rep: 08.0	8015P)6.2020	
Parent Sample Id:	669401-0		Smiller			669401-0		Linuita		-		401-018 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb		<49.8	995 005	997 1070	100		101	70-135 70-135	1	35	mg/kg	08.06.2020 19:44 08.06.2020 19:44	
Diesel Range Organics	(DKU)	<49.8	995	1070	108	1080	108	/0-133	1	35	mg/kg	55.00.2020 17.44	
Surrogate					AS Rec	MS Flag	MSE %Re			imits	Units	Analysis Date	
1-Chlorooctane					24		123			-135	%	08.06.2020 19:44 08.06.2020 19:44	
o-Terphenyl				1	18		116	1	70	-135	%	00.00.2020 19:44	
MS/MSD Percent Recover Relative Percent Difference LCS/LCSD Recovery		[D] = 100*(C RPD = 200* [D] = 100 * (0	(C-E) / (C+E)				A	CS = Labora = Parent Ro = MS/LCS	esult	ol Sample	$\mathbf{B} = \mathbf{S}_{\mathbf{I}}$	Matrix Spike pike Added SD/LCSD % Rec	

LCS/LCSD Recovery Log Difference

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

A = Parent Result C = MS/LCS Result E = MSD/LCSD Result

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Final 1.000

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QC Summary 669384

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LT Environmental, Inc.

JRU 119

Analytical Method:	BTEX by EPA 8021	lB						P	rep Meth	od: SW	5035A	
Seq Number:	3133863]	Matrix:	Solid				Date Pr	ep: 08.0	06.2020	
MB Sample Id:	7708937-1-BLK		LCS San	nple Id:	7708937-	I-BKS		LCS	D Sample	e Id: 770	8937-1-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	0.111	111	70-130	1	35	mg/kg	08.06.2020 17:36	
Toluene	< 0.00200	0.100	0.106	106	0.106	106	70-130	0	35	mg/kg	08.06.2020 17:36	
Ethylbenzene	< 0.00200	0.100	0.0996	100	0.0988	99	71-129	1	35	mg/kg	08.06.2020 17:36	
m,p-Xylenes	< 0.00400	0.200	0.202	101	0.200	100	70-135	1	35	mg/kg	08.06.2020 17:36	
o-Xylene	< 0.00200	0.100	0.0996	100	0.0989	99	71-133	1	35	mg/kg	08.06.2020 17:36	
Surrogate	MB %Rec	MB Flag		CS Rec	LCS Flag	LCSI %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene	99		10	00		99		70	-130	%	08.06.2020 17:36	
4-Bromofluorobenzene	96		10	03		104		70	-130	%	08.06.2020 17:36	

Analytical Method: Seq Number: Parent Sample Id:	BTEX by EPA 8021 3133863 669401-001	IB		Matrix: nple Id:	Soil 669401-00)1 S			rep Metho Date Pro D Sample	ep: 08.0	5035A)6.2020 401-001 SD	
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00201	0.101	0.125	124	0.124	124	70-130	1	35	mg/kg	08.06.2020 18:21	
Toluene	< 0.00201	0.101	0.128	127	0.127	127	70-130	1	35	mg/kg	08.06.2020 18:21	
Ethylbenzene	< 0.00201	0.101	0.120	119	0.119	119	71-129	1	35	mg/kg	08.06.2020 18:21	
m,p-Xylenes	< 0.00402	0.201	0.248	123	0.245	123	70-135	1	35	mg/kg	08.06.2020 18:21	
o-Xylene	< 0.00201	0.101	0.120	119	0.118	118	71-133	2	35	mg/kg	08.06.2020 18:21	
Surrogate				1S Rec	MS Flag	MSD %Red			imits	Units	Analysis Date	
1,4-Difluorobenzene			ç	99		99		70	-130	%	08.06.2020 18:21	
4-Bromofluorobenzene			1	04		103		70	-130	%	08.06.2020 18:21	

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

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

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

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Milth	/ N	Relinquished by:	vice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcont 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 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	Z020-1: Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	40:	291				/	SS03	SS02	SS01	Sample Identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name:	P.O. Number:	Project Number:	Project Name:	Phone: (City, State ZIP: N	Address: 3	Company Name: [Project Manager:	Page 50
R	1	(Signature)	ument and relinquishn ble only for the cost of e of \$75.00 will be appl	0 200.8 / 6020: and Metal(s) to be							S	s	S		Yes No	Yes No	Yes No		PT Temp Blank:	Willia		012	JF	(432) 236-3849	Midland, Tx 79705	3300 North A Street	LT Environmental, Inc.,	Dan Moir	MANOR
· (nut	The X	Received	nent of samples con samples and shall n lied to each project a								8/6/2020	8/6/2020	8/6/2020	Matrix Date Sampled	N/A To	N/A Cor	0		Blank: Yes No	William Mather	Eddy	012920015	JRU 119		5	et	I, Inc., Permian office		н К
		Received by: (Signature)	stitutes a valid pur not assume any res and a charge of \$5 (8RCRA 13PPM TCLP / SPLP 6			0	1			9:51	9:49	9:47	Time Sampled	Total Containers:	Correction Factor:	0 O	Thermometer ID	Wet Ice:	Due Date	Rush:	Routine	Tu	Email:					Houstor Midlan obbs,NM (575-392
8		e)	chase order from c ponsibility for any I for each sample su	RCRA 13PPM Texas 11 / TCLP / SPLP 6010: 8RCRA		(2 h	1			0.5'	0.5'	0.5'	Depth					Yes No)ate:		ne P	Turn Around	Email: wmather@ltenv.com, dmoir@ltenv.com	City, State ZIP:	Address:	Company Name:	Bill to: (if different)	ı,TX (281) 240-42 d,TX (432-704-54 7550) Phoenix,A
06/20/		Date/Time	lient compan losses or exp bmitted to X	Sp /		Q	0/1	1			1 ×	1 ×	1 x	Number			ntai	ners	\$.com, dmc					00 Dallas,T 40) EL Pas VZ (480-355
1001	9011	Time	iy to Xenco, i benses incum enco, but not	As Ba Be As Ba Be						-	××	× ×	× ×	BTEX (I Chlorid	-		-							ir@ltenv.c			XTO Energy	Kyle Littrell	X (214) 902- o, TX (915)5 -0900) Atlar
0 4 N		Relinguished by: (Signature)		B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo I Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U																			ANALYSIS REQUEST						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)
		Ire) Received by: (Signature)	ractors. It assigns standard terms and conditions osses are due to circumstances beyond the control will be enforced unless previously negotiated.	Ni K Se Ag SiO2																			EST	Deliverables: EDD ADaPT	Reporting:Level II _evel III	1	Program: UST/PST RP rownfields	Work Order Comments	3-520-2000) www.xenco.com Page (
				SiO2 Na Sr TI Sn U V Zn 1631/245.1/7470 /7471 : Hg			/				Discrete	Discrete	Discrete	Sample Comments	lAL starts the day received by the lab, if received by 4:30pm	TAT state the design of the de							Work Order Notes	☐ Other		1	fields [RC { perfund [Comments	Page of

Final 1.000

f 108

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.	Acceptable Temperature Range: 0 - 6 degC
Date/ Time Received: 08.06.2020 01.09.00 PM	Air and Metal samples Acceptable Range: Ambient
Work Order #: 669384	Temperature Measuring device used : TNM 007
Sample Recei	ot Checklist Comments
#1 *Temperature of cooler(s)?	2.8
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6*Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	Νο
#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)?	Νο
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by: Martha Castro

Date: 08.06.2020

Checklist reviewed by: Jession Vramer

Jessica Kramer

Date: 08.07.2020

Received by OCD: 12/28/2020 1:40:24 PM

eurofins Environment Testing

Xenco

Project Id: 012920115 Dan Moir **Contact:**

Eddy County **Project Location:**

Certificate of Analysis Summary 674002

LT Environmental, Inc., Arvada, CO

Project Name: JRU 119 Flowline

Date Received in Lab: Wed 09.30.2020 15:20 **Report Date:** 10.12.2020 08:50 Project Manager: Jessica Kramer

	Lab Id:	674002-0	001	674002-0	02	674002-0	003	674002-0	004	674002-0	005	674002-0	006
Analysis Requested	Field Id:	SW01	L	SW02		SW03		SW04		FS01		FS02	
Analysis Kequestea	Depth:	0-8 ft		0-7 ft		0-7 ft		0-7 ft		8- ft		7- ft	
	Matrix:	SOIL	,	SOIL		SOIL		SOIL	,	SOIL	.	SOIL	
	Sampled:	09.30.2020	12:05	09.30.2020	12:10	09.30.2020	12:15	09.30.2020	12:20	09.30.2020	12:45	09.30.2020	12:50
BTEX by EPA 8021B	Extracted:	09.30.2020	17:15	09.30.2020	17:15	09.30.2020	17:15	09.30.2020	17:15	09.30.2020	17:15	09.30.2020	17:40
	Analyzed:	10.01.2020	07:00	10.01.2020	07:23	10.01.2020	07:45	10.01.2020	08:07	10.01.2020	08:30	10.01.2020	00:51
	Units/RL:	mg/kg	RL										
Benzene		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00201	0.00201	< 0.00200	0.00200
Toluene		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00201	0.00201	< 0.00200	0.00200
Ethylbenzene		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00201	0.00201	< 0.00200	0.00200
m,p-Xylenes		< 0.00399	0.00399	< 0.00404	0.00404	< 0.00403	0.00403	< 0.00396	0.00396	< 0.00402	0.00402	< 0.00399	0.00399
o-Xylene		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00201	0.00201	< 0.00200	0.00200
Total Xylenes		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00201	0.00201	< 0.00200	0.00200
Total BTEX		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00201	0.00201	< 0.00200	0.00200
Chloride by EPA 300	Extracted:	09.30.2020	17:55	09.30.2020	17:55	09.30.2020	17:55	09.30.2020	17:55	09.30.2020	17:55	09.30.2020	17:55
	Analyzed:	09.30.2020	20:44	09.30.2020	21:00	09.30.2020	21:06	09.30.2020	21:11	09.30.2020	21:17	09.30.2020	21:33
	Units/RL:	mg/kg	RL										
Chloride		49.7	9.94	34.3	9.92	94.1	9.98	5850	200	17700	200	8300	200
TPH by SW8015 Mod	Extracted:	09.30.2020	16:00	09.30.2020	16:00	09.30.2020	16:00	09.30.2020	16:00	09.30.2020	16:00	09.30.2020	16:00
	Analyzed:	09.30.2020	18:49	09.30.2020	19:09	09.30.2020	19:30	09.30.2020	19:49	09.30.2020	20:10	09.30.2020	20:30
	Units/RL:	mg/kg	RL										
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.1	50.1	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3
Diesel Range Organics (DRO)		82.7	50.0	91.9	50.1	<50.2	50.2	146	50.2	249	50.2	112	50.3
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.1	50.1	<50.2	50.2	<50.2	50.2	<50.2	50.2	<50.3	50.3
Total GRO-DRO		82.7	50.0	91.9	50.1	<50.2	50.2	146	50.2	249	50.2	112	50.3
Total TPH		82.7	50.0	91.9	50.1	<50.2	50.2	146	50.2	249	50.2	112	50.3

BRL - Below Reporting Limit

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

Jession VRAMER

Final 1.001

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Received by OCD: 12/28/2020 1:40:24 RM

eurofins Environment Testing Xenco

012920115

Dan Moir

Eddy County

Project Id:

Project Location:

Contact:

Certificate of Analysis Summary 674002

LT Environmental, Inc., Arvada, CO

Project Name: JRU 119 Flowline

 Date Received in Lab:
 Wed 09.30.2020 15:20

 Report Date:
 10.12.2020 08:50

 Project Manager:
 Jessica Kramer

	Lab Id:	674002-0	07	674002-0	08	674002-0	009	674002-0	010	674002-0	11	
Analysis Requested	Field Id:	FS03		FS04		SW05		SW06		SW07		
Analysis Requested	Depth:	7- ft		7- ft		0-7 ft		0-7 ft		0-8 ft		
	Matrix:	SOIL										
	Sampled:	09.30.2020	12:55	09.30.2020	13:00	09.30.2020	13:30	09.30.2020	13:35	09.30.2020	13:40	
BTEX by EPA 8021B	Extracted:	09.30.2020	17:40	09.30.2020	17:40	09.30.2020	17:40	09.30.2020	17:40	09.30.2020	17:40	
	Analyzed:	10.01.2020	01:14	10.01.2020	01:36	10.01.2020	01:59	10.01.2020	02:21	10.01.2020	02:43	
	Units/RL:	mg/kg	RL									
Benzene		< 0.00198	0.00198	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	
Toluene		< 0.00198	0.00198	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	
Ethylbenzene		< 0.00198	0.00198	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	
m,p-Xylenes		< 0.00397	0.00397	< 0.00403	0.00403	< 0.00401	0.00401	< 0.00397	0.00397	< 0.00399	0.00399	
o-Xylene		< 0.00198	0.00198	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	
Total Xylenes		< 0.00198	0.00198	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	
Total BTEX		< 0.00198	0.00198	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00198	0.00198	< 0.00200	0.00200	
Chloride by EPA 300	Extracted:	09.30.2020	17:55	09.30.2020	17:55	09.30.2020	17:55	09.30.2020	17:55	09.30.2020	17:55	
	Analyzed:	09.30.2020	21:39	09.30.2020	21:44	09.30.2020	21:50	09.30.2020	21:55	09.30.2020	22:01	
	Units/RL:	mg/kg	RL									
Chloride		8370	200	8150	199	101	9.92	182	9.98	339	9.94	
TPH by SW8015 Mod	Extracted:	09.30.2020	17:30	09.30.2020	17:30	09.30.2020	17:30	09.30.2020	17:30	09.30.2020	17:30	
	Analyzed:	10.01.2020	00:12	10.01.2020	00:32	10.01.2020	00:52	10.01.2020	01:13	10.01.2020	01:33	
	Units/RL:	mg/kg	RL									
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<49.8	49.8	<50.0	50.0	
Diesel Range Organics (DRO)		104	49.8	116	50.2	<50.2	50.2	<49.8	49.8	54.1	50.0	
Motor Oil Range Hydrocarbons (MRO)		<49.8	49.8	<50.2	50.2	<50.2	50.2	<49.8	49.8	<50.0	50.0	
Total GRO-DRO		104	49.8	116	50.2	<50.2	50.2	<49.8	49.8	54.1	50.0	
Total TPH		104	49.8	116	50.2	<50.2	50.2	<49.8	49.8	54.1	50.0	

BRL - Below Reporting Limit

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

Jession Vramer

Page 2 of 35

Received by OCD: 12/23/2020 1:40:24 RM

eurofins Environment Testing Xenco

Analytical Report 674002

for

LT Environmental, Inc.

Project Manager: Dan Moir

JRU 119 Flowline

012920115

10.12.2020

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483) Received by OCD: 12/28/2020 1:40:24 RM

eurofins Environment Testing Xenco

10.12.2020

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

Reference: Eurofins Xenco, LLC Report No(s): 674002 JRU 119 Flowline Project Address: Eddy County

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 674002. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 674002 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jession Vermer

Jessica Kramer Project Manager

A Small Business and Minority Company

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

Received by OCD: 12/23/2020 1:40:24 RM

eurofins Environment Testing Xenco

.

Sample Cross Reference 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SW01	S	09.30.2020 12:05	0 - 8 ft	674002-001
SW02	S	09.30.2020 12:10	0 - 7 ft	674002-002
SW03	S	09.30.2020 12:15	0 - 7 ft	674002-003
SW04	S	09.30.2020 12:20	0 - 7 ft	674002-004
FS01	S	09.30.2020 12:45	8 ft	674002-005
FS02	S	09.30.2020 12:50	7 ft	674002-006
FS03	S	09.30.2020 12:55	7 ft	674002-007
FS04	S	09.30.2020 13:00	7 ft	674002-008
SW05	S	09.30.2020 13:30	0 - 7 ft	674002-009
SW06	S	09.30.2020 13:35	0 - 7 ft	674002-010
SW07	S	09.30.2020 13:40	0 - 8 ft	674002-011

Received by OCD: 12/23/2020 1:40:24 PM

Environment Testing Xenco

CASE NARRATIVE

Client Name: LT Environmental, Inc. Project Name: JRU 119 Flowline

 Project ID:
 012920115

 Work Order Number(s):
 674002

Report Date: 10.12.2020 Date Received: 09.30.2020

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Received by OCD: 12/23/2020 1:40:24 RM

.

Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id:SW01Lab Sample Id:674002-001		Matrix: Date Co	Soil ollected: 09.30	.2020 12:05		Date Received:09.30 Sample Depth: 0 - 8		:20
Analytical Method: Chloride by EP	PA 300					Prep Method: E300)P	
Tech: MAB								
Analyst: MAB		Date Pre	ep: 09.30	.2020 17:55		% Moisture: Basis: Wet	Weisle	
Seq Number: 3138591						Dasis. wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	49.7	9.94		mg/kg	09.30.2020 20:44		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method: TPH by SW80 Tech: DTH Analyst: DTH Seq Number: 3138526	15 Mod	Date Pre	ер: 09.30	0.2020 16:00		% Moisture:	8015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pre Result	ep: 09.30 RL	0.2020 16:00	Units	% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter				0.2020 16:00	Units mg/kg	% Moisture: Basis: Wet	Weight	Dil
Tech: DTH Analyst: DTH Seq Number: 3138526	Cas Number	Result	RL	0.2020 16:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	RL 50.0	0.2020 16:00	mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 18:49	Weight Flag	1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <50.0 82.7	RL 50.0 50.0	0.2020 16:00	mg/kg mg/kg	% Moisture: Basis: Wet Mnalysis Date 09.30.2020 18:49 09.30.2020 18:49	Weight Flag U	1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.0 82.7 <50.0	RL 50.0 50.0 50.0	0.2020 16:00	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49	Weight Flag U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.0 82.7 <50.0 82.7 82.7	RL 50.0 50.0 50.0 50.0 50.0	0.2020 16:00 Units	mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49	Weight Flag U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DR0 PHCG2835 PHC628 PHC635	Result <50.0 82.7 <50.0 82.7 82.7	RL 50.0 50.0 50.0 50.0 50.0 50.0		mg/kg mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49 09.30.2020 18:49	Weight Flag U U	1 1 1 1

Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id:SW01Lab Sample Id:674002-001	Matrix:	Matrix: Soil		Date Received:09.30.2020 15:20		
	Date Collecte	Date Collected: 09.30.2020 12:05		Sample Depth: 0 - 8 ft		
Analytical Method:BTEX by EPA 8021BTech:MABAnalyst:MABSeq Number:3138585	Date Prep:	09.30.2020 17:15	Prep Method: % Moisture: Basis:	SW5035A Wet Weight		

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	10.01.2020 07:00	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	10.01.2020 07:00	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	10.01.2020 07:00	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	10.01.2020 07:00	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	10.01.2020 07:00	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	10.01.2020 07:00	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	10.01.2020 07:00	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	116	%	70-130	10.01.2020 07:00		
1,4-Difluorobenzene		540-36-3	103	%	70-130	10.01.2020 07:00		

Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id:SW02Lab Sample Id:674002-002		Matrix: Date Co	Soil ollected: 09.30	Dil Date Received:09.30 9.30.2020 12:10 Sample Depth: 0 - 7 ±				20
Analytical Method: Chloride by EF	PA 300					Prep Method: E300	P	
Tech: MAB								
Analyst: MAB		Date Pr	ep: 09.30	.2020 17:55		% Moisture: Basis: Wet	W/-:-1-4	
Seq Number: 3138591			-			basis. wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	34.3	9.92		mg/kg	09.30.2020 21:00		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	015P	
Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3138526	15 Mod	Date Pr	ep: 09.30	.2020 16:00		% Moisture:	015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pr Result	ep: 09.30 RL	.2020 16:00	Units	% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3138526				.2020 16:00	Units mg/kg	% Moisture: Basis: Wet	Weight	Dil 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter	Cas Number	Result	RL	.2020 16:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	RL 50.1	.2020 16:00	mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 19:09	Weight Flag	1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <50.1 91.9	RL 50.1 50.1	.2020 16:00	mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.30.2020 19:09 09.30.2020 19:09	Weight Flag U	1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.1 91.9 <50.1	RL 50.1 50.1 50.1	.2020 16:00	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Y Analysis Date 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09	Weight Flag U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.1	RL 50.1 50.1 50.1 50.1 50.1	.2020 16:00 Units	mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet 4 Malysis Date 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09	Weight Flag U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.1	RL 50.1 50.1 50.1 50.1 50.1 50.1		mg/kg mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09 09.30.2020 19:09 6.000000000000000000000000000000000000	Weight Flag U U	1 1 1 1

Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id:SW02Lab Sample Id:674002-002	Matrix: Soil Date Collected: 09.30.2020 12:10		Date Received:09.30.2020 15:20 Sample Depth: 0 - 7 ft		
Analytical Method: BTEX by EPA 8021B Tech: MAB Analyst: MAB	Date Prep:	09.30.2020 17:15	Prep Method: % Moisture:	SW5035A	
Seq Number: 3138585	Date Flep.	07.50.2020 17.15	Basis:	Wet Weight	

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	10.01.2020 07:23	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	10.01.2020 07:23	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	10.01.2020 07:23	U	1
m,p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	10.01.2020 07:23	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	10.01.2020 07:23	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	10.01.2020 07:23	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	10.01.2020 07:23	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	116	%	70-130	10.01.2020 07:23		
1,4-Difluorobenzene		540-36-3	96	%	70-130	10.01.2020 07:23		

Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: SW03 Lab Sample Id: 674002-003		Matrix: Date Co	Soil llected: 09.30	.2020 12:15		0.2020 15: ft	:20	
Analytical Method: Chloride by EP	A 300					Prep Method: E300	OP	
Tech: MAB								
Analyst: MAB		Date Pre	ep: 09.30	.2020 17:55		% Moisture: Basis: Wet	Weislet	
Seq Number: 3138591			-			Basis. wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	94.1	9.98		mg/kg	09.30.2020 21:06		1
Analytical Method: TPH by SW801 Tech: DTH	15 Mod					Prep Method: SW8	8015P	
5	15 Mod	Date Pre	ep: 09.30	.2020 16:00		% Moisture:	8015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pre Result	ep: 09.30 RL	.2020 16:00	Units	% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter			1	.2020 16:00		% Moisture: Basis: Wet	Weight	Dil
Tech: DTH Analyst: DTH Seq Number: 3138526	Cas Number	Result	RL	.2020 16:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <50.2	RL 50.2	.2020 16:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 19:30	Weight Flag U	1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <50.2 <50.2	RL 50.2 50.2	.2020 16:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 19:30 09.30.2020 19:30	Weight Flag U U	1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.2 <50.2 <50.2 <50.2	RL 50.2 50.2 50.2	.2020 16:00	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30	Weight Flag U U U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2	RL 50.2 50.2 50.2 50.2 50.2	.2020 16:00 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30	Weight Flag U U U U U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Fotal GRO-DRO Fotal TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2	RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30 09.30.2020 19:30	Weight Flag U U U U U U	1 1 1 1

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id:SW03Lab Sample Id:674002-003	Matrix:	Matrix: Soil		Date Received:09.30.2020 15:20		
	Date Collecte	Date Collected: 09.30.2020 12:15		Sample Depth: 0 - 7 ft		
Analytical Method:BTEX by EPA 8021BTech:MABAnalyst:MABSeq Number:3138585	Date Prep:	09.30.2020 17:15	Prep Method: % Moisture: Basis:	SW5035A Wet Weight		

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	10.01.2020 07:45	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	10.01.2020 07:45	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	10.01.2020 07:45	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	10.01.2020 07:45	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	10.01.2020 07:45	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	10.01.2020 07:45	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	10.01.2020 07:45	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	111	%	70-130	10.01.2020 07:45		
1,4-Difluorobenzene		540-36-3	96	%	70-130	10.01.2020 07:45		

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: SW04 Lab Sample Id: 674002-004		Matrix: Soil Date Collected: 09.30.2020 12:20				Date Received:09.30.2020 15:20 Sample Depth: 0 - 7 ft			
Analytical Method: Chloride by EP	A 300					Prep Method: E300)P		
Tech: MAB									
Analyst: MAB		Date Pr	ep: 09.30	0.2020 17:55		% Moisture:	W 7 * 1 /		
Seq Number: 3138591						Basis: Wet	Weight		
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil	
Chloride	16887-00-6	5850	200		mg/kg	09.30.2020 21:11		20	
Analytical Method:TPH by SW801Tech:DTHAnalyst:DTHSeq Number:3138526	5 Mod	Date Pr	rep: 09.30).2020 16:00		Prep Method: SW8 % Moisture: Basis: Wet	015P Weight		
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil	
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2		mg/kg	09.30.2020 19:49	U	1	
Diesel Range Organics (DRO)	C10C28DRO	146	50.2		mg/kg	09.30.2020 19:49		1	
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2		mg/kg	09.30.2020 19:49	U	1	
Total GRO-DRO	PHC628	146	50.2		mg/kg	09.30.2020 19:49		1	
Total TPH	PHC635	146	50.2		mg/kg	09.30.2020 19:49		1	
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
1-Chlorooctane		111-85-3	100	%	70-135	09.30.2020 19:49			
o-Terphenyl		84-15-1	93	%	70-135	09.30.2020 19:49			
Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: Lab Sample I	SW04 d: 674002-004	Matrix: Date Collecte	Soil d: 09.30.2020 12:20	Date Received Sample Depth	l:09.30.2020 15:20 : 0 - 7 ft
•	ethod: BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			0/ Maintana	
Analyst:	MAB	Date Prep:	09.30.2020 17:15	% Moisture: Basis:	Wet Weight
Seq Number:	3138585			Dasis.	wet weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	10.01.2020 08:07	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	10.01.2020 08:07	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	10.01.2020 08:07	U	1
m,p-Xylenes	179601-23-1	< 0.00396	0.00396		mg/kg	10.01.2020 08:07	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	10.01.2020 08:07	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	10.01.2020 08:07	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	10.01.2020 08:07	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	115	%	70-130	10.01.2020 08:07		
1,4-Difluorobenzene		540-36-3	103	%	70-130	10.01.2020 08:07		

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: FS01 Lab Sample Id: 674002-005		Matrix: Date Co	Soil Illected: 09.30	.2020 12:45		Date Received:09.30 Sample Depth: 8 ft	0.2020 15:	:20
Analytical Method: Chloride by EP	PA 300					Prep Method: E300)P	
Tech: MAB								
Analyst: MAB		Date Pre	ep: 09.30	.2020 17:55		% Moisture: Basis: Wet	Weisle	
Seq Number: 3138591						Basis. wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17700	200		mg/kg	09.30.2020 21:17		20
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3138526	15 Mod	Date Pro	ep: 09.30	.2020 16:00		% Moisture:	8015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pro Result	ep: 09.30 RL	.2020 16:00	Units	% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter				.2020 16:00	Units mg/kg	% Moisture: Basis: Wet	Weight	Dil
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	.2020 16:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech:DTHAnalyst:DTHSeq Number:3138526	Cas Number PHC610	Result	RL 50.2	.2020 16:00	mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:10	Weight Flag	1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <50.2 249	RL 50.2 50.2	.2020 16:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:10 09.30.2020 20:10	Weight Flag U	1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.2 249 <50.2	RL 50.2 50.2 50.2	.2020 16:00	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:10 09.30.2020 20:10 09.30.2020 20:10	Weight Flag U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.2	RL 50.2 50.2 50.2 50.2 50.2	.2020 16:00 Units	mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:10 09.30.2020 20:10 09.30.2020 20:10 09.30.2020 20:10 09.30.2020 20:10	Weight Flag U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.2	RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:10 09.30.2020 20:10 09.30.2020 20:10 09.30.2020 20:10 09.30.2020 20:10 09.30.2020 20:10 Mnalysis Date	Weight Flag U U	1 1 1 1

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: F Lab Sample Id: 6'	'801 74002-005	Matrix: Date Collected	Soil : 09.30.2020 12:45	Date Received Sample Depth:	:09.30.2020 15:20 8 ft
5	d: BTEX by EPA 8021B			Prep Method:	SW5035A
Tech: M	AB			0/ 1/-:	
Analyst: M	AB	Date Prep:	09.30.2020 17:15	% Moisture: Basis:	Wet Weight
Seq Number: 31	38585			Dasis.	wet weight

Parameter	Cas Numbe	er Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	10.01.2020 08:30	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	10.01.2020 08:30	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	10.01.2020 08:30	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	10.01.2020 08:30	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	10.01.2020 08:30	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	10.01.2020 08:30	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	10.01.2020 08:30	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	104	%	70-130	10.01.2020 08:30		
4-Bromofluorobenzene		460-00-4	120	%	70-130	10.01.2020 08:30		

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: FS02 Lab Sample Id: 674002-006		Matrix: Date Col	Soil llected: 09.30	.2020 12:50		Date Received:09.30 Sample Depth: 7 ft	0.2020 15	20
Analytical Method: Chloride by EP	PA 300					Prep Method: E300	OP	
Tech: MAB								
Analyst: MAB		Date Pre	p: 09.30	.2020 17:55		% Moisture: Basis: Wet	Weight	
Seq Number: 3138591						Dasis. Wet	weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8300	200		mg/kg	09.30.2020 21:33		20
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	3015P	
Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3138526	15 Mod	Date Pre	р: 09.30	.2020 16:00		% Moisture:	3015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pre Result	p: 09.30 RL	.2020 16:00	Units	% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3138526			-	.2020 16:00	Units mg/kg	% Moisture: Basis: Wet	Weight	Dil
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter	Cas Number	Result	RL	.2020 16:00		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	RL 50.3	.2020 16:00	mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:30	Weight Flag	1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <50.3 112	RL 50.3 50.3	.2020 16:00	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:30 09.30.2020 20:30	Weight Flag U	1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.3 112 <50.3	RL 50.3 50.3 50.3	.2020 16:00	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:30 09.30.2020 20:30 09.30.2020 20:30	Weight Flag U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.3 112 <50.3 112 112	RL 50.3 50.3 50.3 50.3 50.3	.2020 16:00 Units	mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 09.30.2020 20:30 09.30.2020 20:30 09.30.2020 20:30 09.30.2020 20:30 09.30.2020 20:30	Weight Flag U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138526 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DR0 PHCG2835 PHC628 PHC635	Result <50.3 112 <50.3 112 112	RL 50.3 50.3 50.3 50.3 50.3 50.3		mg/kg mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 09.30.2020 20:30 09.30.2020 20:30 09.30.2020 20:30 09.30.2020 20:30 09.30.2020 20:30 09.30.2020 20:30 Maalysis Date	Weight Flag U U	1 1 1 1

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JRU 119 Flowline

Sample Id: Lab Sample I	FS02 d: 674002-006	Matrix: Date Collecte	Soil d: 09.30.2020 12:50	Date Received Sample Depth	1:09.30.2020 15:20 : 7 ft
2	ethod: BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	09.30.2020 17:40	% Moisture: Basis:	Wet Weight
Seq Number:	3138586			Dusis.	wet weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	10.01.2020 00:51	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	10.01.2020 00:51	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	10.01.2020 00:51	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	10.01.2020 00:51	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	10.01.2020 00:51	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	10.01.2020 00:51	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	10.01.2020 00:51	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	92	%	70-130	10.01.2020 00:51		
1,4-Difluorobenzene		540-36-3	96	%	70-130	10.01.2020 00:51		

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Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id:FS03Lab Sample Id:674002-007		Matrix: Date Co	Soil ollected: 09.30	.2020 12:55		Date Received:09.30 Sample Depth: 7 ft	0.2020 15:	20
Analytical Method: Chloride by EF	PA 300					Prep Method: E300)P	
Tech: MAB								
Analyst: MAB		Date Pr	ep: 09.30	.2020 17:55		% Moisture: Basis: Wet	Weight	
Seq Number: 3138591						Dasis. Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8370	200		mg/kg	09.30.2020 21:39		20
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method: TPH by SW80 Tech: DTH Analyst: DTH Seq Number: 3138563	15 Mod	Date Pr	ep: 09.30	.2020 17:30		% Moisture:	8015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pr Result	ep: 09.30 RL	.2020 17:30	Units	% Moisture:		Dil
Tech:DTHAnalyst:DTHSeq Number:3138563			-F.	.2020 17:30		% Moisture: Basis: Wet	Weight	Dil
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter	Cas Number	Result	RL	.2020 17:30	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <49.8	RL 49.8	.2020 17:30	Units mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:12	Weight Flag	1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO	Result <49.8 104	RL 49.8 49.8	.2020 17:30	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:12 10.01.2020 00:12	Weight Flag U	1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <49.8 104 <49.8	RL 49.8 49.8 49.8	.2020 17:30	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12	Weight Flag U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <49.8 104 <49.8 104 104	RL 49.8 49.8 49.8 49.8 49.8	.2020 17:30	Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12	Weight Flag U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <49.8 104 <49.8 104 104	RL 49.8 49.8 49.8 49.8 49.8 49.8		Units mg/kg mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12 10.01.2020 00:12	Weight Flag U U	1 1 1 1

Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: Lab Sample I	FS03 d: 674002-007	Matrix: Date Collecte	Soil d: 09.30.2020 12:55	Date Received Sample Depth	d:09.30.2020 15:20 n: 7 ft
5	ethod: BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB			0/ Maistan	
Analyst:	MAB	Date Prep:	09.30.2020 17:40	% Moisture: Basis:	Wet Weight
Seq Number:	3138586			Dasis.	wet weight

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	10.01.2020 01:14	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	10.01.2020 01:14	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	10.01.2020 01:14	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	10.01.2020 01:14	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	10.01.2020 01:14	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	10.01.2020 01:14	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	10.01.2020 01:14	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	91	%	70-130	10.01.2020 01:14		
1,4-Difluorobenzene		540-36-3	98	%	70-130	10.01.2020 01:14		

Certificate of Analytical Results 674002

LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: FS04 Lab Sample Id: 674002-008		Matrix: Date Co	Soil ollected: 09.30	0.2020 13:00		Date Received:09.30 Sample Depth: 7 ft	0.2020 15:	:20
Analytical Method: Chloride by EF	PA 300					Prep Method: E300)P	
Tech: MAB								
Analyst: MAB		Date Pr	ep: 09.30	.2020 17:55		% Moisture: Basis: Wet	Weislet	
Seq Number: 3138591			-			basis. wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8150	199		mg/kg	09.30.2020 21:44		20
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3138563	15 Mod	Date Pr	ep: 09.30	0.2020 17:30		% Moisture:	8015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pr Result	ep: 09.30 RL	0.2020 17:30	Units	% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter				0.2020 17:30	Units mg/kg	% Moisture: Basis: Wet	Weight	Dil
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL	0.2020 17:30		% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result	RL 50.2	0.2020 17:30	mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:32	Weight Flag	1
Tech:DTHAnalyst:DTHSeq Number:3138563	Cas Number PHC610 C10C28DRO	Result <50.2 116	RL 50.2 50.2	0.2020 17:30	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:32 10.01.2020 00:32	Weight Flag U	1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.2 116 <50.2	RL 50.2 50.2 50.2	0.2020 17:30	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:32 10.01.2020 00:32 10.01.2020 00:32	Weight Flag U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.2 116 <50.2 116 116	RL 50.2 50.2 50.2 50.2 50.2	0.2020 17:30	mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:32 10.01.2020 00:32 10.01.2020 00:32 10.01.2020 00:32 10.01.2020 00:32	Weight Flag U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.2 116 <50.2 116 116	RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2		mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 10.01.2020 00:32 10.01.2020 00:32 10.01.2020 00:32 10.01.2020 00:32 10.01.2020 00:32 10.01.2020 00:32 Maalysis Date	Weight Flag U U	1 1 1 1

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: Lab Sample I	FS04 d: 674002-008	Matrix: Date Collected	Soil d: 09.30.2020 13:00	Date Received Sample Depth	l:09.30.2020 15:20 : 7 ft
Analytical M	ethod: BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	09.30.2020 17:40	% Moisture: Basis:	Wet Weight
Seq Number:	3138586			Dusis.	wet weight

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	10.01.2020 01:36	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	10.01.2020 01:36	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	10.01.2020 01:36	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	10.01.2020 01:36	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	10.01.2020 01:36	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	10.01.2020 01:36	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	10.01.2020 01:36	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	96	%	70-130	10.01.2020 01:36		
1,4-Difluorobenzene		540-36-3	94	%	70-130	10.01.2020 01:36		

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JRU 119 Flowline

Sample Id: SW05 Lab Sample Id: 674002-009		Matrix: Date Co	Soil ollected: 09.30	.2020 13:30		Date Received:09.30 Sample Depth: 0 - 7		20
Analytical Method: Chloride by EF	PA 300					Prep Method: E300	0P	
Tech: MAB								
Analyst: MAB		Date Pr	ep: 09.30	.2020 17:55		% Moisture: Basis: Wet	Watalat	
Seq Number: 3138591						basis. wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	101	9.92		mg/kg	09.30.2020 21:50		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	3015P	
Analytical Method:TPH by SW80Tech:DTHAnalyst:DTHSeq Number:3138563	15 Mod	Date Pro	ep: 09.30	.2020 17:30		% Moisture:	8015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pro Result	ep: 09.30 RL	.2020 17:30	Units	% Moisture:		Dil
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter				.2020 17:30		% Moisture: Basis: Wet	Weight	Dil
Tech: DTH Analyst: DTH Seq Number: 3138563	Cas Number	Result	RL	.2020 17:30	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result	RL 50.2	.2020 17:30	Units mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:52	Weight Flag U	1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <50.2 <50.2	RL 50.2 50.2	.2020 17:30	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:52 10.01.2020 00:52	Weight Flag U U	1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.2 <50.2 <50.2 <50.2	RL 50.2 50.2 50.2	.2020 17:30	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52	Weight Flag U U U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2	RL 50.2 50.2 50.2 50.2 50.2	.2020 17:30 Units	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52	Weight Flag U U U U U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2 <50.2	RL 50.2 50.2 50.2 50.2 50.2 50.2 50.2		Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52 10.01.2020 00:52	Weight Flag U U U U U U Flag	1 1 1 1

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: SW05 Lab Sample Id: 674002-009	1	Matrix: Date Collecte	Soil d: 09.30.2020 13:30	Date Receiv Sample Dep	ed:09.30.2020 15 th: 0 - 7 ft	:20
Analytical Method: BTEX	by EPA 8021B			Prep Methoo	l: SW5035A	
Tech: MAB			00 20 2020 17 40	% Moisture:		
Analyst: MAB Seq Number: 3138586		Date Prep:	09.30.2020 17:40	Basis:	Wet Weight	
Parameter	Cas Number	Result BI	T	nite Analysis	Data Flag	Dil

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	10.01.2020 01:59	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	10.01.2020 01:59	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	10.01.2020 01:59	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	10.01.2020 01:59	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	10.01.2020 01:59	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	10.01.2020 01:59	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	10.01.2020 01:59	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	95	%	70-130	10.01.2020 01:59		
4-Bromofluorobenzene		460-00-4	89	%	70-130	10.01.2020 01:59		

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: SW06 Lab Sample Id: 674002-010		Matrix: Date C	Soil Soil	0.2020 13:35		Date Received:09.3 Sample Depth: 0 - 7		:20
Analytical Method: Chloride by EP	A 300					Prep Method: E300)P	
Tech: MAB								
Analyst: MAB		Date Pr	rep: 09.30	0.2020 17:55		% Moisture:	XX7 * 1 .	
Seq Number: 3138591						Basis: Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	182	9.98		mg/kg	09.30.2020 21:55		1
Analytical Method:TPH by SW801Tech:DTHAnalyst:DTHSeq Number:3138563	15 Mod	Date Pr	rep: 09.30	0.2020 17:30		Prep Method: SW8 % Moisture: Basis: Wet	015P Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	10.01.2020 01:13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8		mg/kg	10.01.2020 01:13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8		mg/kg	10.01.2020 01:13	U	1
Total GRO-DRO	PHC628	<49.8	49.8		mg/kg	10.01.2020 01:13	U	1
Total TPH	PHC635	<49.8	49.8		mg/kg	10.01.2020 01:13	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	s Analysis Date	Flag	
1-Chlorooctane		111-85-3	100	%	70-135	10.01.2020 01:13		
o-Terphenyl		84-15-1	90	%	70-135	10.01.2020 01:13		

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LT Environmental, Inc., Arvada, CO

JRU 119 Flowline

Sample Id: Lab Sample I	SW06 d: 674002-010	Matrix: Date Collecte	Soil d: 09.30.2020 13:35	Date Received Sample Depth	d:09.30.2020 15:20 1: 0 - 7 ft
Analytical M Tech: Analyst:	ethod: BTEX by EPA 8021B MAB MAB	Date Prep:	09.30.2020 17:40	Prep Method: % Moisture:	SW5035A
Seq Number:		Date Hep.	07.50.2020 17.40	Basis:	Wet Weight

Parameter	Cas Numbe	er Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	10.01.2020 02:21	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	10.01.2020 02:21	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	10.01.2020 02:21	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	10.01.2020 02:21	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	10.01.2020 02:21	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	10.01.2020 02:21	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	10.01.2020 02:21	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	97	%	70-130	10.01.2020 02:21		
4-Bromofluorobenzene		460-00-4	92	%	70-130	10.01.2020 02:21		

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JRU 119 Flowline

Sample Id:SW07Lab Sample Id:674002-011		Matrix: Date Co	Soil ollected: 09.30	.2020 13:40		Date Received:09.30 Sample Depth: 0 - 8		20
Analytical Method: Chloride by EP	PA 300					Prep Method: E300)P	
Tech: MAB								
Analyst: MAB		Date Pr	rep: 09.30	.2020 17:55		% Moisture: Basis: Wet	Waiaht	
Seq Number: 3138591						Dasis. Wet	Weight	
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	339	9.94		mg/kg	09.30.2020 22:01		1
Analytical Method: TPH by SW80	15 Mod					Prep Method: SW8	8015P	
Analytical Method: TPH by SW802 Tech: DTH Analyst: DTH Seq Number: 3138563	15 Mod	Date Pr	rep: 09.30	.2020 17:30		% Moisture:	8015P Weight	
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pr Result	rep: 09.30 RL	.2020 17:30	Units	% Moisture:		Dil
Tech:DTHAnalyst:DTHSeq Number:3138563				.2020 17:30		% Moisture: Basis: Wet	Weight	Dil
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter	Cas Number	Result	RL	.2020 17:30	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag	
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number PHC610	Result <50.0	RL 50.0	.2020 17:30	Units mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 01:33	Weight Flag	1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610 C10C28DRO	Result <50.0 54.1	RL 50.0 50.0	.2020 17:30	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 01:33 10.01.2020 01:33	Weight Flag U	1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.0 54.1 <50.0	RL 50.0 50.0 50.0	.2020 17:30	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 01:33 10.01.2020 01:33 10.01.2020 01:33	Weight Flag U	1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.0	RL 50.0 50.0 50.0 50.0	.2020 17:30 Units	Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.01.2020 01:33 10.01.2020 01:33 10.01.2020 01:33 10.01.2020 01:33 10.01.2020 01:33	Weight Flag U	1 1 1 1
Tech: DTH Analyst: DTH Seq Number: 3138563 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.0	RL 50.0 50.0 50.0 50.0 50.0 50.0		Units mg/kg mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Maalysis Date 10.01.2020 01:33 10.01.2020 01:33 10.01.2020 01:33 10.01.2020 01:33 10.01.2020 01:33 10.01.2020 01:33 Maalysis Date	Weight Flag U U	1 1 1 1

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JRU 119 Flowline

Sample Id:	SW07	Matrix:	Soil	Date Received	d:09.30.2020 15:20
Lab Sample I	d: 674002-011	Date Collecte	d: 09.30.2020 13:40	Sample Depth	n: 0 - 8 ft
Analytical Ma Tech: Analyst: Seq Number:	ethod: BTEX by EPA 8021B MAB MAB 3138586	Date Prep:	09.30.2020 17:40	Prep Method: % Moisture: Basis:	SW5035A Wet Weight

Parameter	Cas Numbe	er Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	10.01.2020 02:43	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	10.01.2020 02:43	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	10.01.2020 02:43	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	10.01.2020 02:43	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	10.01.2020 02:43	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	10.01.2020 02:43	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	10.01.2020 02:43	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	100	%	70-130	10.01.2020 02:43		
4-Bromofluorobenzene		460-00-4	95	%	70-130	10.01.2020 02:43		

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Flagging Criteria

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

** Surrogate recovered outside laboratory control limit.

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

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

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QC Summary 674002

LT Environmental, Inc. JRU 119 Flowline

					51								
Analytical Method: Seq Number:	Chloride b 3138591	y EPA 3()0		Matrix:					rep Meth Date Pr	rep: 09.3	30.2020	
MB Sample Id:	7712429-1-	BLK		LCS Sar	nple Id:	7712429-	1-BKS		LCS	D Sampl	e Id: 771	2429-1-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	251	100		100	90-110	0	20	mg/kg	09.30.2020 20:33	
Analytical Method: Seq Number:	Chloride b 3138591	y EPA 3()0		Matrix:	Soil			Pı	rep Meth Date Pr		0P 30.2020	
Parent Sample Id:	674002-001			MS Sa	nple Id:	674002-0	01 S		MS		-	002-001 SD	
Parameter		Parent	Spike	MS	MS	MSD	MSD	Limits	%RPD	RPD	Units	Analysis	Flag
Chloride		Result 49.7	Amount 199	Result 250	%Rec 101	Result 251	%Rec 101	90-110	0	Limit 20	mg/kg	Date 09.30.2020 20:49	
									÷		88		
Analytical Method: Seq Number:	Chloride b 3138591	y EPA 3()0		Matrix:					rep Meth Date Pr	rep: 09.3	30.2020	
Parent Sample Id:	674002-011			MS Sai	nple Id:	674002-0	11 S		MS	D Sampl	e Id: 674	002-011 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride		339	200	539	100	539	100	90-110	0	20	mg/kg	09.30.2020 22:06	
Analytical Method:	-	V8015 M	od						P	rep Meth		8015P	
Seq Number:	3138526	DLV			Matrix:		1 DVC		LCS	Date Pr	-	30.2020	
MB Sample Id:	7712385-1-		. .		-	7712385-		. ,		-		2385-1-BSD	
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb		<50.0	1000	1150	115		117	70-135	2	35	mg/kg	09.30.2020 10:10	
Diesel Range Organics	(DRO)	<50.0	1000	1300	130	1290	129	70-135	1	35	mg/kg	09.30.2020 10:10	
Surrogate		MB %Rec	MB Flag		CS Rec	LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1-Chlorooctane		112	8		32	5	133			-135	%	09.30.2020 10:10	
o-Terphenyl		103		1	29		125		70	-135	%	09.30.2020 10:10	
Analytical Method: Seq Number:	TPH by SV 3138563	V8015 M	od		Matrix:	Solid			Pı	rep Meth Date Pr		8015P 80.2020	
MB Sample Id:	7712411-1-	BLK		LCS Sar	nple Id:	7712411-	1-BKS		LCS	D Sampl	e Id: 771	2411-1-BSD	
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb		<50.0	1000	1040	104		103	70-135	1	35	mg/kg	09.30.2020 22:31	
Diesel Range Organics	(DRO)	<50.0	1000	1130	113	1140	114	70-135	1	35	mg/kg	09.30.2020 22:31	
Surrogate		MB %Rec	MB Flag		CS Rec	LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1-Chlorooctane		110			25		123			-135	%	09.30.2020 22:31	
o-Terphenyl		107		1	.08		111		70	-135	%	09.30.2020 22:31	
MS/MSD Percent Recover Relative Percent Difference		D] = 100*(C PD = 200*	-A) / B (C-E) / (C+E)					CS = Labora = Parent R		ol Sample	MS = I $B = SI$	Matrix Spike pike Added	

Relative Percent Difference LCS/LCSD Recovery Log Difference

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

A = Parent Result C = MS/LCS Result E = MSD/LCSD Result

B = Spike AddedD = MSD/LCSD % Rec

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QC Summary 674002

LT Environmental, Inc. JRU 119 Flowline

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8	3015P	
Seq Number:	3138526	Matrix:	Solid	Date Prep:	09.3	0.2020	
		MB Sample Id:	7712385-1-BLK				
Parameter		MB Result		τ	J nits	Analysis Date	Flag
Motor Oil Range Hydrocard	oons (MRO)	<50.0		m	ng/kg	09.30.2020 10:50	
Analytical Method: Seq Number:	TPH by SW8015 Mod 3138563	Matrix: MB Sample Id:	Solid 7712411-1-BLK	Prep Method: Date Prep:		8015P 0.2020	
		MD		т	Tentes	Amalmaia	

Motor Oil Range Hydrocarbons (MRO)

Parameter

MB Result

< 50.0

Units Analysis Flag Date

09.30.2020 22:10 mg/kg

Analytical Method: Seq Number:	TPH by S 3138526		od		Matrix:	Soil 673891-00	12 5			ep Metho Date Pr	ep: 09.3	8015P 80.2020 891-002 SD	
Parent Sample Id:	673891-00				1					1			
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb	ons (GRO)	< 50.2	1000	1270	127	1170	117	70-135	8	35	mg/kg	09.30.2020 15:30	
Diesel Range Organics	(DRO)	<50.2	1000	1240	124	1260	126	70-135	2	35	mg/kg	09.30.2020 15:30	
Surrogate					1S Rec	MS Flag	MSD %Re			mits	Units	Analysis Date	
1-Chlorooctane				1	35		134		70	-135	%	09.30.2020 15:30	
o-Terphenyl				1	31		124		70	-135	%	09.30.2020 15:30	

Analytical Method: Seq Number: Parent Sample Id:	TPH by S 3138563 674011-00		od		Matrix: nple Id:	Soil 674011-00)1 S			ep Methe Date Pr D Sample	ep: 09.3	8015P 80.2020 011-001 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbo	ons (GRO)	<49.8	996	840	84	868	87	70-135	3	35	mg/kg	09.30.2020 23:31	
Diesel Range Organics ((DRO)	<49.8	996	916	92	910	91	70-135	1	35	mg/kg	09.30.2020 23:31	
Surrogate				IS Rec	MS Flag	MSD %Ree			mits	Units	Analysis Date		
1-Chlorooctane				1	13		126		70	-135	%	09.30.2020 23:31	
o-Terphenyl				1	01		98		70	-135	%	09.30.2020 23:31	

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

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

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

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QC Summary 674002

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LT Environmental, Inc. JRU 119 Flowline

Analytical Method: Seq Number: MB Sample Id:	BTEX by EPA 802 3138585 7712387-1-BLK	B	LCS San	Matrix: 1ple Id:		1-BKS			rep Metho Date Pro D Sample	ep: 09.3	5035A 30.2020 2387-1-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	0.0996	100	0.0953	95	70-130	4	35	mg/kg	09.30.2020 23:29	
Toluene	< 0.00200	0.100	0.0927	93	0.0879	88	70-130	5	35	mg/kg	09.30.2020 23:29	
Ethylbenzene	< 0.00200	0.100	0.0960	96	0.0934	93	71-129	3	35	mg/kg	09.30.2020 23:29	
m,p-Xylenes	< 0.00400	0.200	0.194	97	0.187	94	70-135	4	35	mg/kg	09.30.2020 23:29	
o-Xylene	< 0.00200	0.100	0.0970	97	0.0943	94	71-133	3	35	mg/kg	09.30.2020 23:29	
Surrogate	MB %Rec	MB Flag		CS Rec	LCS Flag	LCSE %Rec			imits	Units	Analysis Date	
1,4-Difluorobenzene	102		9	6		106		70	0-130	%	09.30.2020 23:29	
4-Bromofluorobenzene	118		1	02		111		70)-130	%	09.30.2020 23:29	

Analytical Method: Seq Number: MB Sample Id:	BTEX by EPA 8021 3138586 7712426-1-BLK	В		Matrix: nple Id:	Solid 7712426-1	I-BKS			rep Metho Date Pro D Sample	ep: 09.3	5035A 30.2020 2426-1-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	0.101	101	0.103	103	70-130	2	35	mg/kg	09.30.2020 22:59	
Toluene	< 0.00200	0.100	0.0984	98	0.0997	100	70-130	1	35	mg/kg	09.30.2020 22:59	
Ethylbenzene	< 0.00200	0.100	0.0914	91	0.0927	93	71-129	1	35	mg/kg	09.30.2020 22:59	
m,p-Xylenes	< 0.00400	0.200	0.183	92	0.186	93	70-135	2	35	mg/kg	09.30.2020 22:59	
o-Xylene	< 0.00200	0.100	0.0917	92	0.0928	93	71-133	1	35	mg/kg	09.30.2020 22:59	
Surrogate	MB %Rec	MB Flag		CS Rec	LCS Flag	LCSD %Rec		_	imits	Units	Analysis Date	
1,4-Difluorobenzene	99		9	98		98		70	-130	%	09.30.2020 22:59	
4-Bromofluorobenzene	88		8	35		86		70	-130	%	09.30.2020 22:59	

Analytical Method:	BTEX by EPA 8021	lB						P	rep Meth	od: SW	5035A	
Seq Number:	3138585]	Matrix:	Soil				Date Pr	ep: 09.3	30.2020	
Parent Sample Id:	673902-011		MS San	ple Id:	673902-01	11 S		MS	D Sample	e Id: 673	902-011 SD	
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00202	0.101	0.111	110	0.0943	93	70-130	16	35	mg/kg	10.01.2020 00:14	
Toluene	< 0.00202	0.101	0.105	104	0.0873	86	70-130	18	35	mg/kg	10.01.2020 00:14	
Ethylbenzene	< 0.00202	0.101	0.108	107	0.0894	89	71-129	19	35	mg/kg	10.01.2020 00:14	
m,p-Xylenes	< 0.00403	0.202	0.220	109	0.180	90	70-135	20	35	mg/kg	10.01.2020 00:14	
o-Xylene	< 0.00202	0.101	0.107	106	0.0886	88	71-133	19	35	mg/kg	10.01.2020 00:14	
Surrogate			N %1	IS Rec	MS Flag	MSD %Red			imits	Units	Analysis Date	
1,4-Difluorobenzene			1	03		103		70	-130	%	10.01.2020 00:14	
4-Bromofluorobenzene			1	15		115		70	-130	%	10.01.2020 00:14	

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

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

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

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QC Summary 674002

Prep Method: SW5035A

LT Environmental, Inc.

JRU 119 Flowline

Environment Testing

Seq Number:	3138586]	Matrix:	Soil				Date Pr	ep: 09.3	30.2020	
Parent Sample Id:	674002-006		MS San	nple Id:	674002-00)6 S		MS	D Sample	e Id: 674	002-006 SD	
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.103	103	0.109	109	70-130	6	35	mg/kg	09.30.2020 23:44	
Toluene	< 0.00200	0.100	0.0950	95	0.116	116	70-130	20	35	mg/kg	09.30.2020 23:44	
Ethylbenzene	< 0.00200	0.100	0.0785	79	0.108	108	71-129	32	35	mg/kg	09.30.2020 23:44	
m,p-Xylenes	< 0.00401	0.200	0.157	79	0.205	102	70-135	27	35	mg/kg	09.30.2020 23:44	
o-Xylene	< 0.00200	0.100	0.0788	79	0.107	107	71-133	30	35	mg/kg	09.30.2020 23:44	
Surrogate				IS Rec	MS Flag	MSD %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene			9	98		92		70	-130	%	09.30.2020 23:44	
4-Bromofluorobenzene			9	91		94		70	-130	%	09.30.2020 23:44	

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

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

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

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5	201. 4MM	Relinquished by: (Signature)	Notice: Signature of this docum of service. Xenco will be liable of Senco. A minimum charge of	Total 200.7 / 6010 Circle Method(s) an	Swob	SUNS	P204	1503	1051	Fsol	homs	Smas	Sw02	Swo	Sample Identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name:	P.O. Number:	Project Number:	Project Name: J	Phone: (432	City, State ZIP: Mid	Address: 330	Company Name: LT I	Project Manager: Dar	X
	UL CH	2	ent and relinquishment of sampl only for the cost of samples and f \$75.00 will be applied to each p	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	E									E/60 S	Matrix	Yes No NIA	3	es N	1.34/1.2	Temp Blank: Yes	Elizabeth Naka	Eddy County	012920115	Ru 119 Flawline	(432) 236-3849	Midland, Tx 79705	3300 North A Street	LT Environmental, Inc., Perr	Dan Moir	ENCO
	we tutter 9:3	Received by: (Signature)	les constitutes a valid purchase oi shall not assume any responsibil roject and a charge of \$5 for each	8RCRA 13PPM Texas 11 / d TCLP / SPLP 6010: 8RCRA	1335 0'-	1530 01-	1300 7	1255 7	1250 7	1245 8	1720 01-	1115 0- 3	1210 0'-	0'-	Date Time Depth Sampled Sampled	Total Containers:	Correction Factor: -O ,	LOO-MIN-1	Thermometer ID	No Wet Ice: Was	Due Date:	Rush:	Routine	Turn Around	Email: enaka	City, S	Address	Permian office Compa	Bill to:	Houston,TX (28 Midland,TX (4: Hobbs,NM (575-392-7550)
	9.30.20 1520	Date/Time	der from client company to Xenco, i ity for any losses or expenses incurr sample submitted to Xenco, but not	13PPM Texas 11 AI Sb As Ba Be SPLP 6010: 8RCRA Sb As Ba Be	A A A A A	7							1 1 1 1	S I XXX	¥ Numb TPH (E BTEX (EPA 8	015) 0=8) 021)		No				und	enaka@ltenv.com, dmoir@ltenv.com	City, State ZIP: Carlsbad, NM 88220	ss: 522 West Mermond	Company Name: XTO Energy	Bill to: (if different) Kyle Littrell	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800)
σ	Α Ν	Relinquished by: (Signature)	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.	B Cd Ca Cr Co Cu Fe Pb Mg Mn Cd Cr Co Cu Pb Mn Mo Ni Se Ag															,					ANALYSIS REQUEST		8220	lond			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 (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
		Ire) Received by: (Signature)	is standard terms and conditions circumstances beyond the control inless previously negotiated.	Ag SiO2																				EST	Deliverables: EDD ADaPT	Reporting:Level II evel III	State of Project:	Program: UST/PST CRP crownfields		3-620-2000)
Revised Date 0.51418 Rev. 2018.1		ure) Date/Time		Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg	4								-	composite	Sample Comments	lab, if received by 4:30pm	TAT starts the day receiied by the							Work Order Notes				vnfields IRC Derfund	on	www.xenco.com Page] of 2

Final 1.001

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		Hobbs,NM (575-39	92-7550) Phoenix,AZ ((480-355-0900) Atlanta	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	0-2000) www.xenco.com	Page L of Z
Project Manager:	Dan Moir		Bill to: (if different)	Kyle Littrell			Comments
Company Name:	LT Environmental, Inc.	c., Permian office	Company Name:	XTO Energy		Program: UST/PST TRP Trownfields	fields IRC Steerfund
Address:	3300 North A Street		Address:	522 West Mermond			Ľ,
City, State ZIP:	Midland, Tx 79705		City, State ZIP:	Carlsbad, NM 88220		Reporting:Level IIIFT/UST	UST TRP Usvel IV
Phone:	(432) 236-3849	Email	Email: enaka@ltenv.com,	a			Othe
Project Name:	JRN 119 Flowling		Turn Around		ANALYSIS REQUEST	-	Work Order Notes
Project Number:	0	Ro	tine 🗡				
P.O. Number:	Eddy County		1				
Sampler's Name:	Elizabeth Naka		Due Date:				
SAMPLE RECEIPT	-	k: Yes No Wet Ice:	Teg No				
Temperature (°C):	1-9/1.2	The					
Received Intact:	Yes N	FOO-MN-T					
Sample Custody Seals:	ils: Yes No N/A	Total Containers:	10.2	PA 0=8			TAT starts the day recevied by the lab, if received by 4:30pm
Sample Identification	-		Depth	TPH (El BTEX (I Chlorid			Sample Comments
Long	~	04/30/20 1340	1 20.0	X X X			compessive
	/						
		/	6/12	1 Mar			
			U	/			
40:2					/		
	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) in he analyzed		RCRA 13PPM Texas 11 AI	Sb As Ba Be	Cd Ca Cr	Vi K Se Ag SiO2	SiO2 Na Sr TI Sn U V Zn
Notice: Signature of this d of service. Xenco will be l of Xenco. A minimum cha	ocument and relinquishment o lable only for the cost of samp rge of \$75.00 will be applied to	of samples constitutes a valid pu bles and shall not assume any re bleach project and a charge of \$5	rchase order from clien sponsibility for any loss for each sample submi	t company to Xenco, its a es or expenses incurred tted to Xenco, but not an	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 neootiated		c
Relinquished by: (Signature)	(Signature)	Received by: (Signature)	re)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	e) Date/Time
- Ellyphiles	'Non C	he Cliffon	9	9.30.20 1520	Δ Δ		
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Project Id:

Project Location:

Contact:

eurofins Environment Testing Xenco

012920115

Dan Moir

Eddy County

Certificate of Analysis Summary 675418

LT Environmental, Inc., Arvada, CO

Project Name: JRU 119

 Date Received in Lab:
 Fri 10.16.2020 14:00

 Report Date:
 10.19.2020 14:05

Project Manager: Jessica Kramer

	Lab Id:	675418-0	01	675418-0	02		
An aluaia Dona onto d	Field Id:	SW04		SW04			
Analysis Requested	Depth:	0-4 ft		4-7 ft			
	Matrix:	SOIL		SOIL			
	Sampled:	10.16.2020	12:55	10.16.2020	13:00		
BTEX by EPA 8021B	Extracted:	10.16.2020	15:08	10.16.2020	15:08		
	Analyzed:	10.16.2020	17:41	10.16.2020	18:04		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene			0.00201	< 0.00200	0.00200		
Toluene		< 0.00201	0.00201	< 0.00200	0.00200		
Ethylbenzene		< 0.00201	0.00201	< 0.00200	0.00200		
m,p-Xylenes		< 0.00402	0.00402	< 0.00401	0.00401		
o-Xylene		< 0.00201	0.00201	< 0.00200	0.00200		
Total Xylenes		< 0.00201	0.00201	< 0.00200	0.00200		
Total BTEX		< 0.00201	0.00201	< 0.00200	0.00200		
Chloride by EPA 300	Extracted:	10.16.2020	15:59	10.16.2020	15:59		
	Analyzed:	10.17.2020	00:18	10.17.2020	00:24		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		12.0	10.1	15000	198		
TPH by SW8015 Mod	Extracted:	10.16.2020	16:00	10.16.2020	16:00		
	Analyzed:	10.16.2020	16:21	10.16.2020	17:03		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		<50.3	50.3	<50.3	50.3		
Diesel Range Organics (DRO)		<50.3	50.3	159	50.3		
Motor Oil Range Hydrocarbons (MRO)		<50.3	50.3	<50.3	50.3		
Total GRO-DRO		<50.3	50.3	159	50.3		
Total TPH		<50.3	50.3	159	50.3		

BRL - Below Reporting Limit

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

Jession Vermer

Page 1 of 13

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Analytical Report 675418

for

LT Environmental, Inc.

Project Manager: Dan Moir

JRU 119

012920115

10.19.2020

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-23) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483) eurofins Environment Testing Xenco

10.19.2020

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

Reference: Eurofins Xenco, LLC Report No(s): 675418 JRU 119 Project Address: Eddy County

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 675418. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 675418 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jession Vermer

Jessica Kramer Project Manager

A Small Business and Minority Company

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

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Sample Cross Reference 675418

LT Environmental, Inc., Arvada, CO

JRU 119

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SW04	S	10.16.2020 12:55	0 - 4 ft	675418-001
SW04	S	10.16.2020 13:00	4 - 7 ft	675418-002

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Environment Testing Xenco

CASE NARRATIVE

Client Name: LT Environmental, Inc. Project Name: JRU 119

 Project ID:
 012920115

 Work Order Number(s):
 675418

Report Date: 10.19.2020 Date Received: 10.16.2020

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

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1-Chlorooctane

o-Terphenyl

.

Certificate of Analytical Results 675418

LT Environmental, Inc., Arvada, CO JRU 119

Sample Id: SW04		Matrix:	Soil	Date Received:10.16.2020 14:00					
Lab Sample Id: 675418-001		Date Coll	lected: 10.16.2020 12:55	Sample Depth: 0 - 4 ft					
Analytical Method: Chloride by EF	PA 300				Prep Method: E30	0P			
Tech: MAB									
Analyst: MAB		Date Prep	p: 10.16.2020 15:59		% Moisture: Basis: Wet	X 7 · 1 /			
Seq Number: 3139971		-			Dasis. Wet	Weight			
Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil		
Chloride	16887-00-6	12.0	10.1	mg/kg	10.17.2020 00:18		1		
	15 Mod				Prep Method: SW8	8015P			
Tech:DTHAnalyst:DTHSeq Number:3139881	13 Mou	Date Prep	p: 10.16.2020 16:00		% Moisture:	8015P Weight			
Analyst: DTH Seq Number: 3139881	Cas Number	Date Prep Result	p: 10.16.2020 16:00 RL	Units	% Moisture:		Dil		
Analyst: DTH Seq Number: 3139881 Parameter				Units mg/kg	% Moisture: Basis: Wet	Weight	Dil		
Analyst: DTH Seq Number: 3139881 Parameter Gasoline Range Hydrocarbons (GRO)	Cas Number	Result	RL		% Moisture: Basis: Wet Analysis Date	Weight Flag			
Analyst: DTH Seq Number: 3139881 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO)	Cas Number PHC610	Result	RL 50.3	mg/kg	% Moisture: Basis: Wet Analysis Date 10.16.2020 16:21	Weight Flag U	1		
Analyst: DTH Seq Number: 3139881 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO	Result <50.3 <50.3	RL 50.3 50.3	mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.16.2020 16:21 10.16.2020 16:21	Weight Flag U U	1 1		
Analyst: DTH	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.3 <50.3 <50.3	RL 50.3 50.3 50.3	mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.16.2020 16:21 10.16.2020 16:21 10.16.2020 16:21	Weight Flag U U U	1 1 1		

88

75

%

%

70-135

70-135

111-85-3

84-15-1

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10.16.2020 16:21

10.16.2020 16:21

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Certificate of Analytical Results 675418

LT Environmental, Inc., Arvada, CO JRU 119

Sample Id: SW04	Matrix:	Soil	Date Received:10.16.2020 14:00			
Lab Sample Id: 675418-001	Date Collecte	ed: 10.16.2020 12:55	Sample Depth: 0 - 4 ft			
Analytical Method:BTEX by EPA 8021BTech:MABAnalyst:MABSeq Number:3139968	Date Prep:	10.16.2020 15:08	Prep Method: % Moisture: Basis:	SW5035A Wet Weight		

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	10.16.2020 17:41	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	10.16.2020 17:41	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	10.16.2020 17:41	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	10.16.2020 17:41	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	10.16.2020 17:41	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	10.16.2020 17:41	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	10.16.2020 17:41	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	100	%	70-130	10.16.2020 17:41		
4-Bromofluorobenzene		460-00-4	110	%	70-130	10.16.2020 17:41		

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Certificate of Analytical Results 675418

LT Environmental, Inc., Arvada, CO

JRU 119

Sample Id:SW04Lab Sample Id:675418-002		Matrix: Date C	Soil Soil Soil	.2020 13:00		Date Received:10.16.2020 14:00 Sample Depth: 4 - 7 ft			
Analytical Method: Chloride by EF	PA 300					Prep Method: E300	0P		
Tech: MAB									
Analyst: MAB		Date Pr	rep: 10.16	.2020 15:59		% Moisture: Basis: Wet	Watalat		
Seq Number: 3139971						Basis. wet	Weight		
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil	
Chloride	16887-00-6	15000	198		mg/kg	10.17.2020 00:24		20	
Analytical Method: TPH by SW80 Tech: DTH	15 Mod					Prep Method: SW8	8015P		
5	15 Mod	Date Pr	rep: 10.16	.2020 16:00		% Moisture:	3015P Weight		
Tech: DTH Analyst: DTH	15 Mod Cas Number	Date Pr Result	rep: 10.16 RL	.2020 16:00	Units	% Moisture:		Dil	
Tech: DTH Analyst: DTH Seq Number: 3139881 Parameter			-	.2020 16:00		% Moisture: Basis: Wet	Weight	Dil	
Tech: DTH Analyst: DTH Seq Number: 3139881	Cas Number	Result	RL	.2020 16:00	Units	% Moisture: Basis: Wet Analysis Date	Weight Flag		
Tech: DTH Analyst: DTH Seq Number: 3139881 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610	Result <50.3	RL 50.3	.2020 16:00	Units mg/kg	% Moisture: Basis: Wet Analysis Date 10.16.2020 17:03	Weight Flag	1	
Tech: DTH Analyst: DTH Seq Number: 3139881 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628	Result <50.3 159	RL 50.3 50.3 50.3 50.3	.2020 16:00	Units mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03	Weight Flag U	1 1	
Tech: DTH Analyst: DTH Seq Number: 3139881 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO)	Cas Number PHC610 C10C28DRO PHCG2835	Result <50.3 159 <50.3	RL 50.3 50.3 50.3	.2020 16:00	Units mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Mnalysis Date 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03	Weight Flag U	1 1 1	
Tech: DTH Analyst: DTH Seq Number: 3139881 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.3 159 <50.3 159	RL 50.3 50.3 50.3 50.3	.2020 16:00 Units	Units mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03	Weight Flag U	1 1 1 1	
Tech: DTH Analyst: DTH Seq Number: 3139881 Parameter Gasoline Range Hydrocarbons (GRO) Diesel Range Organics (DRO) Motor Oil Range Hydrocarbons (MRO) Total GRO-DRO Total TPH	Cas Number PHC610 C10C28DRO PHCG2835 PHC628 PHC635	Result <50.3 159 <50.3 159 159	RL 50.3 50.3 50.3 50.3 50.3 50.3		Units mg/kg mg/kg mg/kg mg/kg mg/kg	% Moisture: Basis: Wet Analysis Date 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03 10.16.2020 17:03	Weight Flag U U	1 1 1 1	

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Certificate of Analytical Results 675418

LT Environmental, Inc., Arvada, CO JRU 119

Sample Id:SW04Lab Sample Id:675418-002	Matrix:	Soil	Date Received:10.16.2020 14:00			
	Date Collecte	d: 10.16.2020 13:00	Sample Depth: 4 - 7 ft			
Analytical Method:BTEX by EPA 8021BTech:MABAnalyst:MABSeq Number:3139968	Date Prep:	10.16.2020 15:08	Prep Method: % Moisture: Basis:	SW5035A Wet Weight		

Parameter	Cas Numbe	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	10.16.2020 18:04	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	10.16.2020 18:04	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	10.16.2020 18:04	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	10.16.2020 18:04	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	10.16.2020 18:04	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	10.16.2020 18:04	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	10.16.2020 18:04	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	97	%	70-130	10.16.2020 18:04		
4-Bromofluorobenzene		460-00-4	113	%	70-130	10.16.2020 18:04		

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Flagging Criteria

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.	ND Not Detected								
RL Reporting Limit									
MDL Method Detection Limit	Method Detection Limit SDL Sample Detection Limit LOD Limit of Detection								
PQL Practical Quantitation Limit	L 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/Labo	ratory Control Sample Duplicate					
MD/SD Method Duplicate/Samp	ble Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate					
+ NELAC certification not offered	l for this compound.								

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

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QC Summary 675418

LT Environmental, Inc.

JRU 119

Analytical Method: Seq Number: MB Sample Id:	3139971	Chloride by EPA 300 8139971 7713424-1-BLK MB Spike			Matrix: nple Id:	Solid 7713424-1	I-BKS			rep Metho Date Pro D Sample			
Parameter			-	LCS	LCS	LCSD	LCSD	Limits	%RPD	RPD	Units	Analysis	Flag
Chloride		Result <10.0	Amount 250	Result 255	%Rec 102	Result 259	%Rec 104	90-110	2	Limit 20	mg/kg	Date 10.16.2020 20:07	
Chionae		<10.0	250	255	102	239	104	90-110	2	20	iiig/kg	1011012020 2010/	
Analytical Method:	-	y EPA 30)0			a 11			Pi	rep Metho			
Seq Number: Parent Sample Id:	3139971 675356-001				Matrix:	Soil 675356-00	01.5		MS	Date Pro	-	.6.2020 356-001 SD	
Parameter	075550-001	Parent Result	Spike Amount	MS Sar MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride		686	199	899	107	Kesuit 894	105	90-110	1	20	mg/kg	10.16.2020 21:46	
Analytical Method: Seq Number: Parent Sample Id:	Chloride b y 3139971 675356-011)0		Matrix: nple Id:	Soil 675356-01	11 S			rep Metho Date Pro D Sample	ep: 10.1	0P 6.2020 356-011 SD	
Parameter		Parent	Spike	MS	MS	MSD	MSD	Limits	%RPD	RPD	Units	Analysis	Flag
Chloride		Result 95.8	Amount 199	Result 307	%Rec 106	Result 308	%Rec 106	90-110	0	Limit 20		Date 10.16.2020 23:18	
Chionae		25.0	177	507	100	500	100	<i>y</i> 0-110	0	20	mg/kg		
Analytical Method: Seq Number:	TPH by SV 3139881	V8015 M	od		Matrix:	Solid			Pi	rep Metho Date Pro		8015P .6.2020	
MB Sample Id:	7713398-1-1	BLK				7713398-1	I-BKS		LCS		-	3398-1-BSD	
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarb		<50.0	1000	750	75	859	86	70-135	14	35	mg/kg	10.16.2020 10:10	
Diesel Range Organics	(DRO)	<50.0	1000	891	89	1020	102	70-135	14	35	mg/kg	10.16.2020 10:10	
Surrogate		MB %Rec	MB Flag		CS Rec	LCS Flag	LCSI %Re	-		imits	Units	Analysis Date	
1-Chlorooctane		88			99		112	2		-135	%	10.16.2020 10:10	
o-Terphenyl		87		8	37		99		70	-135	%	10.16.2020 10:10	
Analytical Method: Seq Number:	TPH by SV 3139881	V8015 M	od		Matrix: nple Id:	Solid 7713398-1	I-BLK		Pı	rep Metho Date Pro		8015P 6.2020	
Parameter				MB Result							Units	Analysis Date	Flag
Motor Oil Range Hydrocar	bons (MRO)			<50.0							mg/kg	Date 10.16.2020 09:50	
											00		

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

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LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

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QC Summary 675418

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LT Environmental, Inc.

JRU 119

Analytical Method:TPH by SW8015 ModSeq Number:3139881MatriParent Sample Id:675349-004MS Sample Id)4 S			ep Methe Date Pr D Sample	ep: 10.1	8015P 6.2020 349-004 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbo	ons (GRO)	< 50.2	1000	853	85	882	88	70-135	3	35	mg/kg	10.16.2020 11:15	
Diesel Range Organics (DRO)	< 50.2	1000	1030	103	1060	106	70-135	3	35	mg/kg	10.16.2020 11:15	
Surrogate					IS Rec	MS Flag	MSD %Re			mits	Units	Analysis Date	
1-Chlorooctane				1	13		112		70	-135	%	10.16.2020 11:15	
o-Terphenyl				1	00		98		70	-135	%	10.16.2020 11:15	

Analytical Method:	BTEX by EPA 8021	B				Prep Method: SW5035A						
Seq Number:	3139968]	Matrix:	Solid				Date Pr	ep: 10.1	6.2020	
MB Sample Id:	7713419-1-BLK		LCS San	nple Id:	7713419-1	I-BKS		LCS	D Sample	e Id: 771	3419-1-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	0.101	101	0.103	103	70-130	2	35	mg/kg	10.16.2020 13:44	
Toluene	< 0.00200	0.100	0.0959	96	0.0979	98	70-130	2	35	mg/kg	10.16.2020 13:44	
Ethylbenzene	< 0.00200	0.100	0.0998	100	0.104	104	71-129	4	35	mg/kg	10.16.2020 13:44	
m,p-Xylenes	< 0.00400	0.200	0.204	102	0.211	106	70-135	3	35	mg/kg	10.16.2020 13:44	
o-Xylene	< 0.00200	0.100	0.0984	98	0.101	101	71-133	3	35	mg/kg	10.16.2020 13:44	
Surrogate	MB %Rec	MB Flag			LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene	102		1	02		102		70	-130	%	10.16.2020 13:44	
4-Bromofluorobenzene	116		1	13		113		70	-130	%	10.16.2020 13:44	

Analytical Method: Seq Number: Parent Sample Id:	BTEX by EPA 8021 3139968 675356-001	Matrix: nple Id:		r				ep: 10.1				
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	0.108	108	0.113	113	70-130	5	35	mg/kg	10.16.2020 14:29	
Toluene	< 0.00200	0.0998	0.0998	100	0.106	106	70-130	6	35	mg/kg	10.16.2020 14:29	
Ethylbenzene	< 0.00200	0.0998	0.106	106	0.112	112	71-129	6	35	mg/kg	10.16.2020 14:29	
m,p-Xylenes	< 0.00399	0.200	0.214	107	0.230	116	70-135	7	35	mg/kg	10.16.2020 14:29	
o-Xylene	< 0.00200	0.0998	0.106	106	0.112	112	71-133	6	35	mg/kg	10.16.2020 14:29	
Surrogate				1S Rec	MS Flag	MSD %Ree			imits	Units	Analysis Date	
1,4-Difluorobenzene			1	02		105		70	-130	%	10.16.2020 14:29	

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

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4-Bromofluorobenzene

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

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

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Page 12 of 13

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Final 1.000

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Revised Date 051418 Rev. 2018.1		Ø		-			σ
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(Signature) Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	ıre)	Received by: (Signature	nature) /	
	dard terms and conditions istances beyond the control previously negotiated.	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.	lient company to Xenco, its a losses or expenses incurred bmitted to Xenco, but not an	urchase order from e esponsibility for any 5 for each sample si	amples constitutes a valid p and shall not assume any r ach project and a charge of \$	nt and relinquishment of s nly for the cost of samples \$75.00 will be applied to e:	Notice: Sig of service. of Xenco.
Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn Ag Ti U 1631/245.1/7470/7471:Hg	Mn Mo Ni K Se Ag Ag Ti U	3 Cd Ca Cr Co Cu Fe Pb Mg Mn Mo M d Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Al Sb As Ba Be B Cd Ca Cr vA Sb As Ba Be Cd Cr Co Cu	RCRA 13PPM Texas 11 A TCLP / SPLP 6010: 8RCRA	8RCRA 131 lyzed TCLP / SP	200.8 / 6020: / Metal(s) to be ana	ZB/2020 Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed
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		10	11 124				
			+				
composite			XXX	4-71	10/16/20 1300	2	4 DMS
Composit			×	.40	10/11/2 1255	2	4 ms
Sample Comments			Numb TPH (E BTEX (Chlorid	Depth	Date Time Sampled Sampled	Matrix	Sample Identification
lab, if received by 4:30pm			PA 80	2	Total Containers:	Yes No NIA	Sample Custody Seals:
TAT starts the day recevied by the			015) 0=8(10.N	Correction Factor:	Yes No NA	Cooler Custody Seals:
			021)	Ш	T-NH-00	(Yes No	Received Intact:
				ē	Thermometer ID	20/1.8	Temperature (°C):
			3	Yes No	Yes No Wet Ice:	Temp Blank:	SAMPLE RECEIPT
				Due Date:		Elizabeth Naka	Sampler's Name:
				Rush: 24 hr		Eddy County	
				ine	Routine	012970115	er.
Work Order Notes		ANALYSIS REQUEST		Turn Around	1	0 119	Project Name: JLU
ADaPT Other:	Deliverables: EDD	Dei	Email: enaka@ltenv.com, dmoir@ltenv.com	enaka@ltenv.co	Email	(432) 236-3849	Phone: (432)
	Reporting:Level IIevel III		Carlsbad, NM 88220	City, State ZIP:		Midland, Tx 79705	City, State ZIP: Midla
	State of Project:		522 West Mermond	Address:		3300 North A Street	
RP prownfields RC perfund	Program: UST/PST	Pro	XTO Energy	Company Name:	Permian office	LT Environmental, Inc., Permian office	Company Name: LT E
Work Order Comments	Work		Kyle Littrell	Bill to: (if different)		Moir	Project Manager: Dan Moir
nco.com Page 1 of 1	000) www.xenco.com	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	Z (480-355-0900) Atlanta,(2-7550) Phoenix,A	Hobbs, NM (575-39)		
		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	0 Dallas,TX (214) 902-030 0) EL Paso,TX (915)585-3	n,TX (281) 240-420 nd,TX (432-704-54	Housto	ENCO	Page 1
Work Order No: 6 + 54/8	Work O	ustody	Chain of Custody				

District I 1625 N. French Dr., Hobbs, NM 88240

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CONDI	TION	IS

Action 10601

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

CONDITIONS OF APPROVAL

Operator:				OGRID:	Action Number:	Action Type:
COG OPERATING LLC	600 W Illinois Ave	Midland, TX79701		229137	10601	C-141
OCD Reviewer			Conditi	ion		
ceads			None			