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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM2007860939
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			•	·	•				
Responsible	Party XT	O Energy		OGRID	5380				
Contact Nam	ne Kyle Li	ittrell		Contact T	Contact Telephone 432-221-7331				
Contact emai	il Kyle_L	ittrell@xtoenergy.	com	Incident #	(assigned by OCD)				
Contact mail	ing address	522 W. Mermoo	d, Carlsbad, NM 8	8220					
			Location	of Release S	ource				
Latitude		32.622056		Longitude		-103.851442			
			(NAD 83 in dec	cimal degrees to 5 decir	nal places)				
Site Name I	Hackberry 3	4 CTB		Site Type	Tank Battery				
Date Release	Discovered	02/29/2020		API# (if app	plicable)				
	Γ	T							
Unit Letter	Section	Township	Range	Cour	•				
A	34	19S	31E	Edo	Eddy				
Surface Owner			Nature and	Name:	Release				
Crude Oil	Iviateria I	Volume Release		calculations of specific	Volume Recov	volumes provided below) vered (bbls) 20			
Produced	Water	Volume Release	d (bbls)		Volume Recovered (bbls)				
		Is the concentrate produced water in	ion of dissolved ci	hloride in the	e Yes No				
Condensa	ite	Volume Release			Volume Recovered (bbls)				
Natural G	las	Volume Release	d (Mcf)		Volume Recovered (Mcf)				
Other (de	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weigh	ht Recovered (provide units)			
an impermeat of containme	oil occurred ble containn nt inspection	nent. A vacuum tru n was provided by	ack recovered appreemail to NMOCD	roximately 20 bbls	of oil from the containment was vi	d manway plate. Fluid was released into containment. A 48-hour advance notice isually inspected and was determined to			

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	uz	C	-	vi	J.
	- 0	_			

Incident ID	NRM2007860939
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	N/A
☐ Yes ⊠ No	
If YES, was immediate no N/A	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 rele	ease has been stopped.
☐ The impacted area has	as been secured to protect human health and the environment.
Released materials ha	ave been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
N/A	
1 1/12	
	IAC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred
	at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation 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 ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In
addition, OCD acceptance o and/or regulations.	f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
_	an Baker Title: <u>SH&E Coordinator</u>
_	
Signature:	Date:3/13/20
email:Adrian_Baker	@xtoenergy.com Telephone:4322363808
OCD Only	
Received by:	Date:

Page 3 of 3

Incident ID NRM2007860939
District RP
Facility ID
Application ID

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)						
Did this release impact groundwater or surface water?							
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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil						
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 well Field data	ls.						
Data table of soil contaminant concentration data Depth to water determination							
Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release							
☐ Boring or excavation logs							
Photographs including date and GIS information Topographic/Aerial maps							
☐ Topographic/Actial 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.

Received by OCD: 5/12/2020 8:53:35 AM
Form C-141 State of New Mexico
Page 4 Oil Conservation Division

	Page 4 of	<i>35</i>
Incident ID	NRM2007860939	
District RP		
Facility ID		
Application ID		

Received by OCD: 5/12/2020 8:53:35 AM
State of New Mexico
Page 6
Oil Conservation Division

	Page 5 of	35
Incident ID	NRM2007860939	
District RP		
Facility ID		
Application ID		

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	g items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29	9.11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	os of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate Ol	DC District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file cert may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or regurestore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the	
Printed Name: Kyle Littrell Signature:	Date: <u>05/08/2020</u>
email:Kyle_Littrell@xtoenergy.com	Telephone: <u>432-221-7331</u>
OCD Only	
Received by:	Date:
	ty of liability should their operations have failed to adequately investigate and the water, human health, or the environment nor does not relieve the responsible door regulations.
Closure Approved by:	Date:
Printed Name:	Title:



LT Environmental, Inc.

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

May 8, 2020

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

RE: Closure Request

Hackberry 34 Central Tank Battery Incident ID: NRM2007860939 Eddy County, New Mexico

Dear Mr. Bratcher:

LT Environmental, Inc. (LTE), on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the Hackberry 34 Central Tank Battery (Site) in Unit A, Section 34, Township 19 South, Range 31 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to confirm the presence or absence of impact to soil by a release of crude oil at the Site. Based on field observations, field screening, and laboratory analytical results from soil sampling activities, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NRM2007860939.

RELEASE BACKGROUND

On February 29, 2020, an overflow line was opened, resulting in the release of 20 barrels (bbls) of crude oil into an impermeable containment. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids, of which approximately 20 bbls of crude oil were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on March 13, 2020. A 48-hour advance notice of liner inspection was provided via email to NMOCD District 2 and, upon inspection, the liner was determined to be insufficient.

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 Geological Survey (USGS) well

A proud member of WSP

Bratcher, M. Page 2

323803103510001, located approximately 0.85 miles north of the Site. The groundwater well has a reported depth to groundwater of 142 feet bgs, total well depth is not determined. There is one NMOSE well and four USGS wells within 1.5 miles with depth to water data that indicates regional depth to water is greater than 100 feet bgs. The closest continuously flowing water or significant watercourse to the Site is an unnamed dry wash, located approximately 2.5 miles north 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). The Site receptors are depicted in 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

SITE ASSESSMENT ACTIVITIES AND SOIL SAMPLING ACTIVITIES

On April 1, 2020, LTE evaluated the release based on information provided on the Form C-141 and visual observations. LTE personnel advanced a borehole via hand-auger at one location within the lined tank battery containment on the southwest corner of the tank battery, on the western edge of the caliche well pad. Site assessment activities and vertical delineation soil sampling was completed at the location of the tear in the liner found during the liner integrity inspection conducted by XTO. Three soil samples were collected at approximately 0.5 feet, 2 feet, and 4 feet bgs (BH01 through BH01B). Soil from the discrete borehole 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. Field screening results and observations for each sample were documented on a lithologic/soil sampling log and are included as Attachment 1. The borehole was backfilled with the soil removed and XTO repaired the liner. The borehole delineation soil sample location is depicted on Figure 2. Photographic documentation was conducted during the Site visit. The photographic log is included in Attachment 2.



Bratcher, M. Page 3

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Xenco Laboratories (Xenco) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples BH01 through BH01B, collected at depths of approximately 0.5 feet, 2 feet, and 4 feet bgs, respectively, indicated benzene, BTEX, TPH-GRO, TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are presented on Figure 2 and summarized in Table 1. The complete laboratory analytical report is included as Attachment 3.

CLOSURE REQUEST

Following the failed liner integrity inspection, LTE personnel advanced one borehole in the location of the hole in the compromised liner. Delineation soil samples BH01 through BH01B were collected from within the lined tank battery containment from depths of approximately 0.5 feet, 2 feet, and 4 feet bgs to assess for the presence or absence of soil impacts as a result of the February 29, 2020 crude oil release. Laboratory analytical results indicated that benzene, BTEX, TPH-GRO, TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria in soil samples BH01 through BH01B. The liner was subsequently repaired. As such, XTO respectfully requests NFA for Incident Number NRM2007860939.

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

Sincerely,

LT ENVIRONMENTAL, INC.

Kalu Jennings

Kalei Jennings

Project Environmental Scientist

Ashley L. Ager, P.G. Senior Geologist

ashley L. ager



Bratcher, M. Page 4

cc: Kyle Littrell, XTO

United States Bureau of Land Management – New Mexico

Robert Hamlet, NMOCD Victoria Venegas, NMOCD

Appendices:

Figure 1 Site Receptor Map

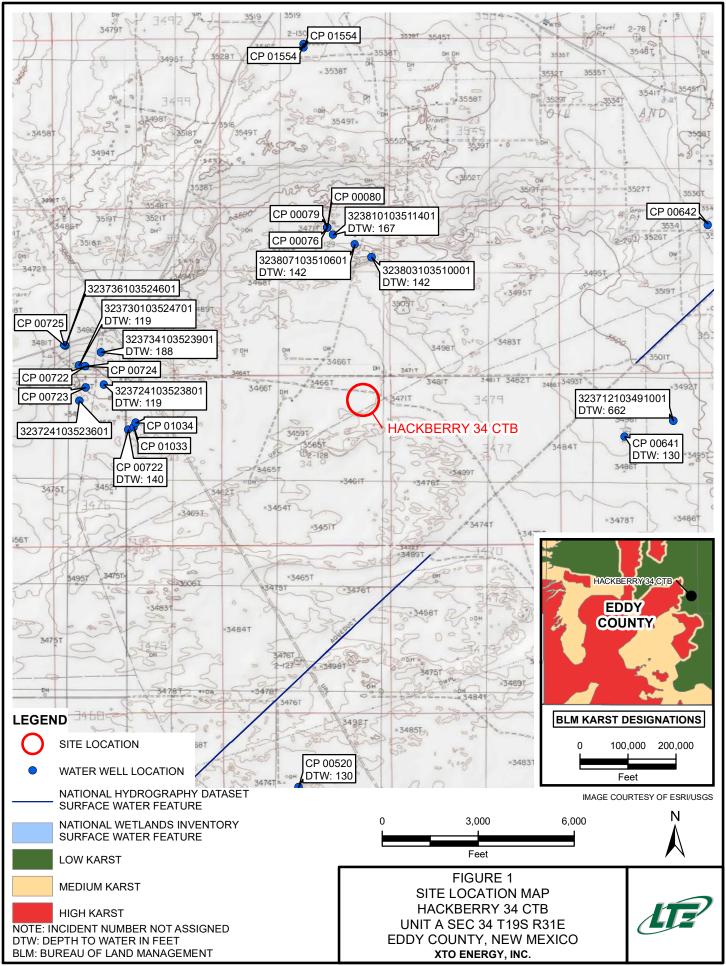
Figure 2 Delineation Soil Sample Locations

Table 1 Soil Analytical Results Attachment 1 Photographic Log

Attachment 2 Lithologic/Soil Sampling Logs

Attachment 3 Laboratory Analytical Report





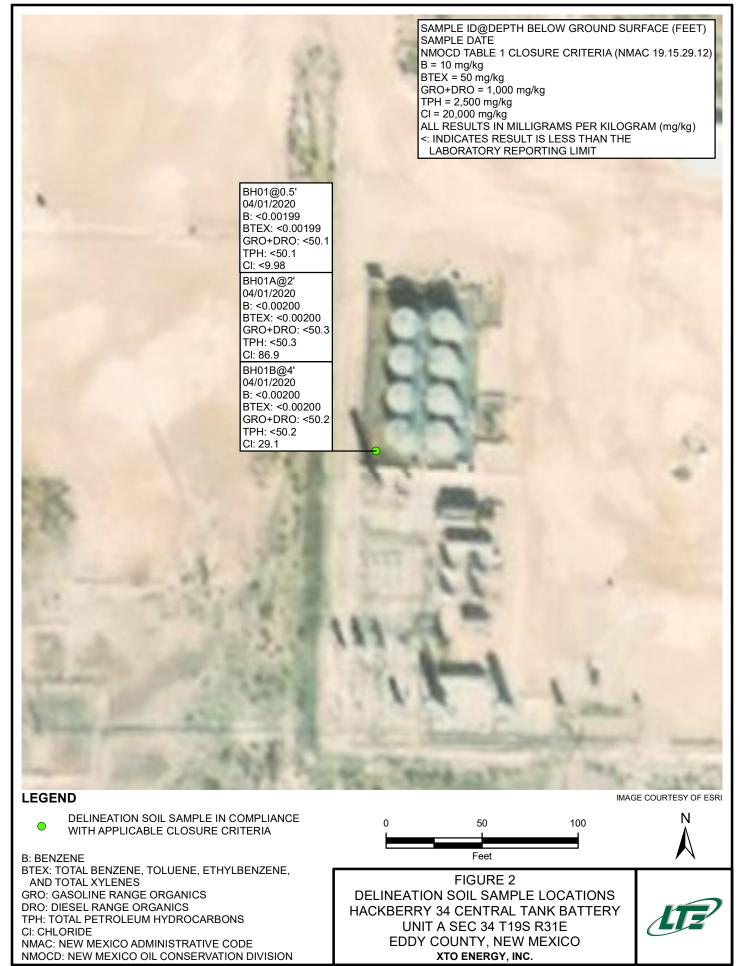




TABLE 1 SOIL ANALYTICAL RESULTS

INCIDENT NUMBER NRM2007860939 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	NMOCD Table 1 Closure Criteria		10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
BH01	0.5	04/01/2020	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	<9.98
BH01A	2	04/01/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	86.9
BH01B	4	04/01/2020	< 0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	29.1

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





PHOTOGRAPHIC LOG



Photograph 1: View of location of BH01.



Photograph 2: View of tank battery containment where release occurred.

Hackberry 34 Central Tank Battery Incident Number: NRM2007860939 Photographs Taken: April 1, 2020





LT Environmental, Inc. 508 West Stevens Street Carlsbad, New Mexico 88220 A proud member of WSP Compliance · Engineering · Remediation								BH or PH Name: BHO! Date: Oth 0 2020 Site Name: Hackberry 34 CTE RP or Incident Number: LTE Job Number:
Lat/Lo	ino.	LITH	OLOC	GIC / SOII	Field Scree)G	Logged By: Robert M. Method: Hand Anger
Eut Eu	nig.				Chloride, F	_		Hole Diameter: 3 Total Depth:
Comm	ents:							
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
2 2	<124 <124		7 2		0.5'-	0	5	CHCK / Brown Poorly graded Sand Small round Grain from SP-SC small round Grain dark Brown Grey
N	589	3.0	N		2' -	2	5	Clayey Sand small round grain Poor grade ton-Brown
		0,4	2		3'-	3	5	CL trace Brown Sand small round grain light Brown-tan mild plassicity tightly packed
M	124	0.1	N		4'	4	S	tightly packed
M	¿124		N		8.5	7 8 9		CHCE White 10W consolidation Sand trace Clay Brown gray
					- - - - - - - -	10		Refusal



Analytical Report 657619

for

LT Environmental, Inc.

Project Manager: Dan Moir Hackberry 34 CTB 012920039 02-APR-20

Collected By: Client



1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-19-30), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (19-037-0)

> Xenco-Dallas (EPA Lab Code: TX01468): Texas (TX104704295-19-22), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-19-16) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-21) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19) Xenco-Carlsbad (LELAP): Louisiana (05092)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-19-5)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757) Xenco-Tampa: Florida (E87429), North Carolina (483)



02-APR-20

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

Reference: XENCO Report No(s): 657619

Hackberry 34 CTBProject Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 657619. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 657619 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Jessica Kramer

Jessica Kramer

Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

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



Sample Cross Reference 657619

LT Environmental, Inc., Arvada, CO

Hackberry 34 CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH01	S	04-01-20 10:01	0.5 ft	657619-001
BH01A	S	04-01-20 10:08	2 ft	657619-002
BH01B	S	04-01-20 10:41	4 ft	657619-003



CASE NARRATIVE

Client Name: LT Environmental, Inc. Project Name: Hackberry 34 CTB

Project ID: 012920039 Work Order Number(s): 657619 Report Date: 02-APR-20 Date Received: 04/01/2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3121693 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analysis Summary 657619

LT Environmental, Inc., Arvada, CO Project Name: Hackberry 34 CTB

012920039

Dan Moir

Project Location:

Project Id:

Contact:

Date Received in Lab: Wed Apr-01-20 03:35 pm

Report Date: 02-APR-20 **Project Manager:** Jessica Kramer

	Lab Id:	657619-0	001	657619-0	002	657619-0	002		
Analysis Requested	Field Id:	BH01		BH012	-	BH01I	3		
12	Depth:	0.5- ft	t	2- ft		4- ft			
	Matrix:	SOIL	,	SOIL	,	SOIL			
	Sampled:	Apr-01-20	10:01	Apr-01-20	10:08	Apr-01-20	10:41		
BTEX by EPA 8021B	Extracted:	Apr-01-20	17:00	Apr-01-20	17:00	Apr-01-20	17:00		
	Analyzed:	Apr-01-20	21:18	Apr-01-20	21:39	Apr-01-20	21:59		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Benzene		< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200		
Toluene		< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200		
Ethylbenzene			0.00199	< 0.00200	0.00200	< 0.00200	0.00200		
m,p-Xylenes		< 0.00398	0.00398	< 0.00399	0.00399	< 0.00401	0.00401		
o-Xylene		< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200		
Total Xylenes		< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200		
Total BTEX		< 0.00199	0.00199	<0.00200 0.00200		<0.00200 0.00200			
Chloride by EPA 300	Extracted:	Apr-01-20	18:27	Apr-01-20 18:27		Apr-01-20 18:27			
	Analyzed:	Apr-01-20	19:02	Apr-01-20	19:18	Apr-01-20	19:24		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Chloride		<9.98	9.98	86.9	9.96	29.1	9.98		
TPH by SW8015 Mod	Extracted:	Apr-02-20	09:00	Apr-02-20	09:00	Apr-02-20	09:00		
	Analyzed:	Apr-02-20	14:37	Apr-02-20	14:57	Apr-02-20	15:18		
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		< 50.1	50.1	< 50.3	50.3	< 50.2	50.2		
Diesel Range Organics (DRO)		< 50.1	50.1	<50.3	50.3	< 50.2	50.2		
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.3	50.3	< 50.2	50.2		
Total GRO-DRO		<50.1	50.1	<50.3	50.3	< 50.2	50.2		
Гotal ТРН		< 50.1	50.1	<50.3	50.3	< 50.2	50.2		

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

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

Jessica Vramer

Jessica Kramer Project Manager



LT Environmental, Inc., Arvada, CO

Hackberry 34 CTB

Soil

Sample Id: **BH01** Matrix:

Date Received:04.01.20 15.35

Lab Sample Id: 657619-001

Date Collected: 04.01.20 10.01

Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

Tech: Analyst: MAB

MAB

04.01.20 18.27 Date Prep:

Basis:

Wet Weight

Seq Number: 3121702

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<9.98	9.98	mg/kg	04.01.20 19.02	U	1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

DTH

% Moisture:

Analyst:

DTH

04.02.20 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.1	50.1		mg/kg	04.02.20 14.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.1	50.1		mg/kg	04.02.20 14.37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.1	50.1		mg/kg	04.02.20 14.37	U	1
Total GRO-DRO	PHC628	< 50.1	50.1		mg/kg	04.02.20 14.37	U	1
Total TPH	PHC635	< 50.1	50.1		mg/kg	04.02.20 14.37	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	99	%	70-135	04.02.20 14.37		
o-Terphenyl		84-15-1	103	%	70-135	04.02.20 14.37		



LT Environmental, Inc., Arvada, CO

Hackberry 34 CTB

Sample Id: BH01

Matrix: Soil

Date Received:04.01.20 15.35

Lab Sample Id: 657619-001

Date Collected: 04.01.20 10.01

Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B % Moisture:

Tech: Analyst: MAB

MAB

Date Prep: 04.01.20 17.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	04.01.20 21.18	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	04.01.20 21.18	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	04.01.20 21.18	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	04.01.20 21.18	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	04.01.20 21.18	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	04.01.20 21.18	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	04.01.20 21.18	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	91	%	70-130	04.01.20 21.18		
1,4-Difluorobenzene		540-36-3	113	%	70-130	04.01.20 21.18		



LT Environmental, Inc., Arvada, CO

Hackberry 34 CTB

Soil

Sample Id: BH01A Matrix:

Date Received:04.01.20 15.35

Lab Sample Id: 657619-002

Date Collected: 04.01.20 10.08

Sample Depth: 2 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst: MAB

% Moisture:

MAB

04.01.20 18.27 Date Prep:

Basis:

Wet Weight

Seq Number: 3121702

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	86.9	9.96	mg/kg	04.01.20 19.18		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

DTH

% Moisture:

Analyst:

DTH

04.02.20 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.3	50.3		mg/kg	04.02.20 14.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.3	50.3		mg/kg	04.02.20 14.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.3	50.3		mg/kg	04.02.20 14.57	U	1
Total GRO-DRO	PHC628	< 50.3	50.3		mg/kg	04.02.20 14.57	U	1
Total TPH	PHC635	< 50.3	50.3		mg/kg	04.02.20 14.57	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	101	%	70-135	04.02.20 14.57		
o-Terphenyl		84-15-1	110	%	70-135	04.02.20 14.57		



LT Environmental, Inc., Arvada, CO

Hackberry 34 CTB

Sample Id: BH01A Matrix: Soil

Date Prep:

Date Received:04.01.20 15.35

Lab Sample Id: 657619-002

Date Collected: 04.01.20 10.08

Sample Depth: 2 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: Analyst:

MABMAB

04.01.20 17.00

% Moisture: Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.01.20 21.39	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.01.20 21.39	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.01.20 21.39	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	04.01.20 21.39	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.01.20 21.39	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.01.20 21.39	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.01.20 21.39	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	96	%	70-130	04.01.20 21.39		
1,4-Difluorobenzene		540-36-3	114	%	70-130	04.01.20 21.39		



LT Environmental, Inc., Arvada, CO

Hackberry 34 CTB

Sample Id: BH01B

Matrix: Soil

Date Received:04.01.20 15.35

Lab Sample Id: 657619-003

Date Collected: 04.01.20 10.41

Sample Depth: 4 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst: MAB

MAB

04.01.20 18.27

% Moisture:

Basis:

Wet Weight

Seq Number: 3121702

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	29.1	9.98	mg/kg	04.01.20 19.24		1

Date Prep:

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech:

DTH

% Moisture:

Analyst: DTH

Date Prep: 04.02.20 09.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.2	50.2		mg/kg	04.02.20 15.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.2	50.2		mg/kg	04.02.20 15.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.2	50.2		mg/kg	04.02.20 15.18	U	1
Total GRO-DRO	PHC628	< 50.2	50.2		mg/kg	04.02.20 15.18	U	1
Total TPH	PHC635	< 50.2	50.2		mg/kg	04.02.20 15.18	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	100	%	70-135	04.02.20 15.18		
o-Terphenyl		84-15-1	107	%	70-135	04.02.20 15.18		



LT Environmental, Inc., Arvada, CO

Hackberry 34 CTB

Sample Id: BH01B

Matrix: Soil

Date Received:04.01.20 15.35

Lab Sample Id: 657619-003

Date Collected: 04.01.20 10.41

Sample Depth: 4 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: Analyst: MAB MAB

Date Prep:

% Moisture: 04.01.20 17.00 Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.01.20 21.59	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.01.20 21.59	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.01.20 21.59	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	04.01.20 21.59	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.01.20 21.59	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.01.20 21.59	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.01.20 21.59	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	114	%	70-130	04.01.20 21.59		
4-Bromofluorobenzene		460-00-4	94	%	70-130	04.01.20 21.59		



Flagging Criteria

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

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample BLK Method Blank

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

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

- + NELAC certification not offered for this compound.
- * (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



QC Summary 657619

LT Environmental, Inc.

Hackberry 34 CTB

Analytical Method: Chloride by EPA 300

Seq Number: 3121702

MB Sample Id: 7700327-1-BLK

Matrix: Solid

LCS

LCS Sample Id: 7700327-1-BKS

E300P Prep Method:

Date Prep: 04.01.20

LCSD Sample Id: 7700327-1-BSD

Spike Limits %RPD RPD Limit Units LCSD LCSD Analysis Flag **Parameter** Result Amount Result %Rec Date %Rec Result

04.01.20 18:50 Chloride <10.0 250 267 107 268 107 90-110 0 20 mg/kg

LCS

Analytical Method: Chloride by EPA 300

Seq Number:

3121702

Matrix: Soil

Prep Method:

E300P

Parent Sample Id: 657619-001 MS Sample Id: 657619-001 S

MR

04.01.20 Date Prep: MSD Sample Id: 657619-001 SD

Spike MS MS %RPD RPD Limit Units Parent **MSD MSD** Limits Analysis Flag **Parameter** Result Date Result Amount %Rec Result %Rec

Chloride <9.98 200 217 109 218 109 90-110 0 20 mg/kg 04.01.20 19:07

Analytical Method: Chloride by EPA 300

Seq Number:

3121702

Matrix: Soil

Prep Method:

E300P

Date Prep: 04.01.20

MS Sample Id: 657636-007 S 657636-007 Parent Sample Id:

MSD Sample Id: 657636-007 SD

MS %RPD RPD Limit Units Parent Spike MS **MSD MSD** Limits Analysis Flag **Parameter** Result Date Result %Rec Amount Result %Rec Chloride 371 199 580 105 592 90-110 2 20 04.01.20 20:25 X 112 mg/kg

Analytical Method: TPH by SW8015 Mod

3121741

Matrix: Solid

Prep Method:

SW8015P

Flag

Flag

Date Prep: 04.02.20

Seq Number: 7700357-1-BKS LCSD Sample Id: 7700357-1-BSD LCS Sample Id: MB Sample Id: 7700357-1-BLK

LCS %RPD RPD Limit Units MB Spike LCS Limits Analysis LCSD LCSD **Parameter** Result %Rec Date Result Amount %Rec Result Gasoline Range Hydrocarbons (GRO) 990 99 70-135 04.02.20 09:28 < 50.0 1000 890 89 11 35 mg/kg 04.02.20 09:28 1020 70-135 35 Diesel Range Organics (DRO) 1000 1150 115 102 12 < 50.0 mg/kg

LCS MB MB LCS LCSD LCSD Limits Units Analysis **Surrogate** %Rec Flag %Rec Flag Flag Date %Rec 1-Chlorooctane 104 124 107 70-135 % 04.02.20 09:28 04.02.20 09:28 o-Terphenyl 109 121 106 70-135 %

Analytical Method: TPH by SW8015 Mod

Seg Number:

3121741

Matrix: Solid

Prep Method: Date Prep: SW8015P

04.02.20

MB Sample Id: 7700357-1-BLK

Parameter

MB Result

Units

Analysis

Motor Oil Range Hydrocarbons (MRO)

< 50.0

mg/kg

Date 04.02.20 09:07

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

[D] = 100*(C-A) / BRPD = 200* | (C-E) / (C+E) |[D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result

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

Flag

Flag

SW8015P

SW5030B

SW5030B

Prep Method:

Limits

Prep Method:



QC Summary 657619

LT Environmental, Inc.

Hackberry 34 CTB

Analytical Method: TPH by SW8015 Mod

Seq Number: 3121741 Matrix: Soil Date Prep: 04.02.20

MS Sample Id: 657638-007 S MSD Sample Id: 657638-007 SD Parent Sample Id: 657638-007

Spike MS MS Limits %RPD RPD Limit Units Parent **MSD MSD** Analysis Flag **Parameter** Result Amount Result Date %Rec %Rec Result Gasoline Range Hydrocarbons (GRO) 04.02.20 10:29 <49.8 995 842 85 815 82 70-135 3 35 mg/kg 978 98 3 35 04.02.20 10:29 Diesel Range Organics (DRO) <49.8 995 948 95 70-135 mg/kg

MS MS **MSD MSD** Limits Units Analysis **Surrogate** Flag %Rec %Rec Flag Date 1-Chlorooctane 126 133 70-135 % 04.02.20 10:29 o-Terphenyl 126 122 70-135 % 04.02.20 10:29

Analytical Method: BTEX by EPA 8021B

Prep Method: Seq Number: 3121693 Matrix: Solid Date Prep: 04.01.20

LCS Sample Id: 7700314-1-BKS LCSD Sample Id: 7700314-1-BSD 7700314-1-BLK MB Sample Id:

%RPD RPD Limit Units LCS LCS MB Spike Limits Analysis **LCSD** LCSD **Parameter** Date Result Amount Result %Rec Result %Rec 04.01.20 19:16 Benzene < 0.00200 0.100 0.114 114 0.122 122 70-130 7 35 mg/kg < 0.00200 Toluene 0.100 0.107 107 0.110 110 70-130 35 mg/kg 04.01.20 19:16 3 04.01.20 19:16 0.0981 98 0.100 100 71-129 2 35 Ethylbenzene < 0.00200 0.100 mg/kg 70-135 04.01.20 19:16 m,p-Xylenes < 0.00400 0.200 0.190 95 0.194 97 2 35 mg/kg 0.0988 99 101 71-133 2 35 04.01.20 19:16 o-Xylene < 0.00200 0.100 0.101 mg/kg

LCSD MB MB LCS LCSD Units Analysis **Surrogate** %Rec %Rec Flag Flag %Rec Flag Date 1.4-Difluorobenzene 112 106 108 70-130 % 04.01.20 19:16 04.01.20 19:16 4-Bromofluorobenzene 89 70-130 % 88 86

LCS

Analytical Method: BTEX by EPA 8021B

Seq Number: 3121693 Matrix: Soil 04.01.20 Date Prep: 657619-001 S MSD Sample Id: 657619-001 SD

MS Sample Id: Parent Sample Id: 657619-001

MS %RPD RPD Limit Units Parent Spike MS MSD MSD Limits Analysis **Parameter** Result Amount Result %Rec Date Result %Rec 04.01.20 19:57 0.0998 129 Benzene < 0.00200 0.129 0.124 124 70-130 4 35 mg/kg Toluene < 0.00200 0.0998 0.119 119 0.124 70-130 4 35 04.01.20 19:57 124 mg/kg 04.01.20 19:57 Ethylbenzene < 0.00200 0.0998 0.111 111 0.117 117 71-129 5 35 mg/kg 108 0.227 04.01.20 19:57 < 0.00399 0.200 0.215 70-135 35 m,p-Xylenes 114 5 mg/kg 04.01.20 19:57 0.114 71-133 o-Xylene < 0.00200 0.0998 0.109 109 114 35 mg/kg

MSD MS MS **MSD** Limits Units Analysis **Surrogate** %Rec Flag Flag Date %Rec 1,4-Difluorobenzene 107 108 70-130 % 04.01.20 19:57 4-Bromofluorobenzene 85 86 70-130 % 04.01.20 19:57

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

[D] = 100*(C-A) / BRPD = 200* | (C-E) / (C+E) |[D] = 100 * (C) / [B]

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample

A = Parent Result

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

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Chain of Custody

Work Order No:

Project Manager: City, State ZIP: Company Name: Address: Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296

Phone:

Project Name:

Work Order Notes	EST	ANALYSIS REQUEST	Turn Around	Hackberry 34 CTB
ADaPT Other:	Deliverables: EDD	Email: dmoir@ltenv.com rmcafee@ltenv.com	Email: dmoir@ltenv.	(432) 701-2610
Reporting:Level III ST/UST RRP bvel IV	Reporting:Level III Level III	Carlsbad, NM	City, State ZIP:	Midland, TX 79705
]	State of Project: NM	3104 E Greene St.	Address:	3300 North A St. Bldg 1, Unit 222
Program: UST/PST PRP Brownfields RC perfund	Program: UST/PST PRP	Company Name: XTO Energy	Company Nam	LT Environmental, Inc., Permian office
Work Order Comments	Work O	Kyle Littrell	Bill to: (if different)	Dan Moir
www.xellco.com		Hobbs, NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (7/0-449-8800) Tampa, FL (813-620-2000)	575-392-7550) Phoenix,A	Hobbs, NM (

retved	Robb male	Relinquished by: (Signature)	otice: Signature of this document and relinquishr service. Xenco will be liable only for the cost of Xenco. A minimum charge of \$75.00 will be apply	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	53:85 #			81418	84014	S IOHB	Sample Identification Ma	Sample Custody Seals: Yes No I	Cooler Custody Seals: Yes (No I	Received Intact: Yes No	Temperature (°C):	SAMPLE RECEIPT Temp Blank:	Sampler's Name: Robert McAfee	P.O. Number:	Toject Namoci.
	2 Leen	Received by: (Signature)	ctice: 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	0: 8RCRA 13PPM Texas 11 A be analyzed TCLP / SPLP 6010: 8RCRA		/		,h 11-01 4	1008 2'	5 04/01/20 1001 0.51	Matrix Sampled Sampled Depth	N/A Total Containers: 3	N/A Correction Factor: -0-2	1-NU-07	Thermometer ID	slank: Yes No Wet Ice: Yes No	Due Date:	Rush: 24hr	1
	4/1/20 535	Date/Time	om client company to Xenco, its a any losses or expenses incurred e submitted to Xenco, but not an	Sb As Ba Be Sb As Ba Be		100	0	×××	×	- メ メ	Numb TPH (E BTEX (PA 8	802	1)		5			
4 0	2	Relinquished by: (Signature)	affiliates and subcontractors. It assigns standard terms and conditions by the client if such losses are due to circumstances beyond the control talyzed. 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		1													
		Received by: (Signature)	I terms and conditions nces beyond the control iously negotiated.	Mo Ni K Se Ag SiO2 TI U						0	S.		TAT st						-
		Date/Time		Na Sr Tl Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg				4		discete	Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the						

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Acceptable Temperature Range: 0 - 6 degC

Date/ Time Received: 04.01.2020 03.35.00 PM

Air and Metal samples Acceptable Range: Ambient

Work Order #: 657619

Temperature Measuring device used: T-NM-007

Sample	e Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.2	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cool	er? Yes	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	Yes	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	No	
#9 Chain of Custody signed when relinquished/ rece	ved? Yes	
#10 Chain of Custody agrees with sample labels/mat	rix? No	
#11 Container label(s) legible and intact?		
#12 Samples in proper container/ bottle?	Yes	
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	No	
#18 Water VOC samples have zero headspace?	N/A	

* Must be completed for after-hours delivery of samples prior to placing in the refriger	
	1tor

Anal	vst:

PH Device/Lot#:

Checklist completed by:

Elizabeth McClellan

Date: 04.01.2020

Checklist reviewed by: Jession Warmer

Date: 04.02.2020