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

Responsible Party

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	NRM2015553076
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

OGRID

Contact Nam	ne			Contact Te	Contact Telephone				
Contact ema	il			Incident #	Incident # (assigned by OCD)				
Contact mail	ing address								
			Location	of Release So	ource				
Latitude			(NAD 83 in deci	Longitude _ imal degrees to 5 decin	nal places)				
Site Name				Site Type					
Date Release	Discovered			API# (if app	olicable)				
Unit Letter	Section	Township	Range	Cour	nty				
Crude Oil		l(s) Released (Select all Volume Released	that apply and attach c	Volume of l	Release justification for the volu Volume Recovere				
Produced		Volume Released			Volume Recovered (bbls)				
		Is the concentrati	on of total dissolv vater >10,000 mg/s		☐ Yes ☐ No				
Condensa	nte	Volume Released			Volume Recovered (bbls)				
Natural G	ias	Volume Released	l (Mcf)		Volume Recovered (Mcf)				
Other (de	scribe)	Volume/Weight	Released (provide	units)	Volume/Weight R	Recovered (provide units)			
Cause of Rel	ease	<u>I</u>			ı				

Piage 2 20f 38 NRM2015553076 Incident ID District RP Facility ID
Application ID

Was this a major	If YES, for what reason(s) does the respon	sible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If VES, was immediate n	Lorice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
11 1 LS, was immediate in	office given to the GCD. By whom: 10 wh	oni. When and by what means (phone, email, etc).
	Initial Ro	esponse
The responsible	party must undertake the following actions immediatel	unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
	s been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
☐ All free liquids and re	ecoverable materials have been removed and	l managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
Per 10 15 20 8 R (4) NM	[AC the responsible party may commence re	emediation 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 lease attach all information needed for closure evaluation.
		pest of my knowledge and understand that pursuant to OCD rules and
		ications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have
failed to adequately investig	ate and remediate contamination that pose a three	at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.	1 a C-141 report does not reneve the operator of	esponsionity for compnance with any other rederat, state, or local laws
Printed Name:		Title:
	Water of	
Signature:	a) thing	Date:
email:		Telephone:
OCD Only		
Received by:Ramona	Marcus	Date: 6/3/2020
		

Location:	PLU BS 14-25-30		
Spill Date:	5/15/2020		
	Area 1		
Approximate A	rea =	56.15	cu. ft.
	VOLUME RECOVERED		
Total Produced	Water =	10.00	bbls

TOTAL VOLUME OF LEAK	
Total Produced Water =	10.00 bbls
TOTAL VOLUME RECOVERED	
Total Produced Water =	10.00 bbls

NRM2015553076 Incident ID 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.							
 \infty Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well \infty Field data 	ls.						
Data table of soil contaminant concentration data							
Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release							
Boring or excavation logs							
Photographs including date and GIS information							
☐ Topographic/Aerial maps							
☐ Laboratory data including chain of custody							

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

Received by OCD: 7/29/2020 12:01:40 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 5 of	38
Incident ID	NRM2015553076	
District RP		
Facility ID		
Application ID		

Page 6 of 38

	1 480 0 0
Incident ID	NRM2015553076
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 is	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 must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODG	C 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 certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and replacement human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.13 NMAC inc	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name: Kyle Littrell Signature:	D-4-: 07/14/2020
email: Kyle Littrell@xtoenergy.com	Date: <u>07/14/2020</u> Telephone: <u>432-221-7331</u>
OCD Only	
Received by:	Date:
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for 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

July 14, 2020

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

RE: Closure Request

Poker Lake Unit BS 14-25-30 Incident Number NRM2015553076 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 Poker Lake Unit BS 14-25-30 (Site) in Unit N, Section 14, Township 25 South, Range 30 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 produced water at the Site. Based on field observations, field screening, and laboratory analytical results from soil sampling activities, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number NRM2015553076.

RELEASE BACKGROUND

On May 15, 2020, the water trunk line between the free water knockout and water tanks failed due to a pinhole on a three inch ball valve, which resulted in the release of approximately 10 barrels (bbls) of produced water inside a lined containment. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids, of which approximately 10 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on May 30, 2020. A 48-hour advance notice of liner inspection was provided via email to the NMOCD District II office 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 New Mexico Office of the State Engineer (NMOSE) well C-03781, located approximately 3,791 feet east of the Site. The groundwater well has a reported



Bratcher, M. Page 2

depth to groundwater of 325 feet bgs and a total depth of 720 feet bgs. There are seven wells within a 3-mile radius that indicate regional depth to groundwater is greater than 150 feet bgs. New Mexico Office of the State Engineer (NMOSE) well C 03891, located 3 miles northeast of the Site, was most recently measured in November 2015 and has a reported depth to groundwater of 429 feet bgs. The referenced well records are in Attachment 1.

The closest continuously flowing water or significant watercourse to the Site is an intermittent streambed, located approximately 420 feet 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 any unstable geology (low potential karst area).

CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-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 AND SOIL SAMPLING ACTIVITIES

On June 4, 2020, LTE evaluated the release extent based on information provided on the Form C-141 and visual observations. LTE personnel advanced a borehole via stainless steel hand-auger at one location within the lined containment on the eastern edge of the caliche well pad. Site assessment activities and vertical delineation soil sampling was completed at the location of the hole found during the liner integrity inspection conducted by XTO. During delineation activities, auger refusal was encountered at a competent, indurated caliche at 1.5 feet bgs. LTE personnel collected two delineation soil samples from depths of approximately 0.5 foot and 1.5 feet bgs (BH01 and BH01A). Soil from the borehole 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 2. The borehole was backfilled with the soil removed and XTO repaired the liner. The release extent and delineation soil sample location were mapped utilizing a handheld Global Positioning System



Bratcher, M. Page 3

(GPS) unit and are depicted on Figure 2. Photo documentation was conducted during the site visit and a photographic log is included in Attachment 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 and BH01A 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 are summarized in Table 1. The complete laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Following the failed liner integrity inspection, LTE personnel advanced one borehole in the location of the breached area in the liner. Delineation soil samples BH01 through BH01A were collected from the subject release area at depths of approximately 0.5 foot bgs and 1.5 feet bgs to assess potential soil impacts associated with an unauthorized release of produced water that occurred on May 15, 2020. Laboratory analytical results from delineation soil samples indicated that benzene, BTEX, TPH-GRO, TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria in soil collected from the borehole. The breached area within the lined containment was bonded and repaired by XTO in an effort to restore the integrity of the liner. As such, XTO respectfully requests NFA for Incident Number NRM2015553076.

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

Sincerely,

LT ENVIRONMENTAL, INC.

Ind Aur Whalez

Carol Ann Whaley Staff Geoscientist Ashley L. Ager, P.G. Senior Geologist

Ushley L. ager



Bratcher, M. Page 4

cc: Kyle Littrell, XTO

United States Bureau of Land Management – New Mexico

Robert Hamlet, NMOCD Cristina Eads, NMOCD Victoria Venegas, NMOCD

Appendices:

Figure 1 Site Location Map

Figure 2 Delineation Soil Sample Locations

Table 1 Soil Analytical Results

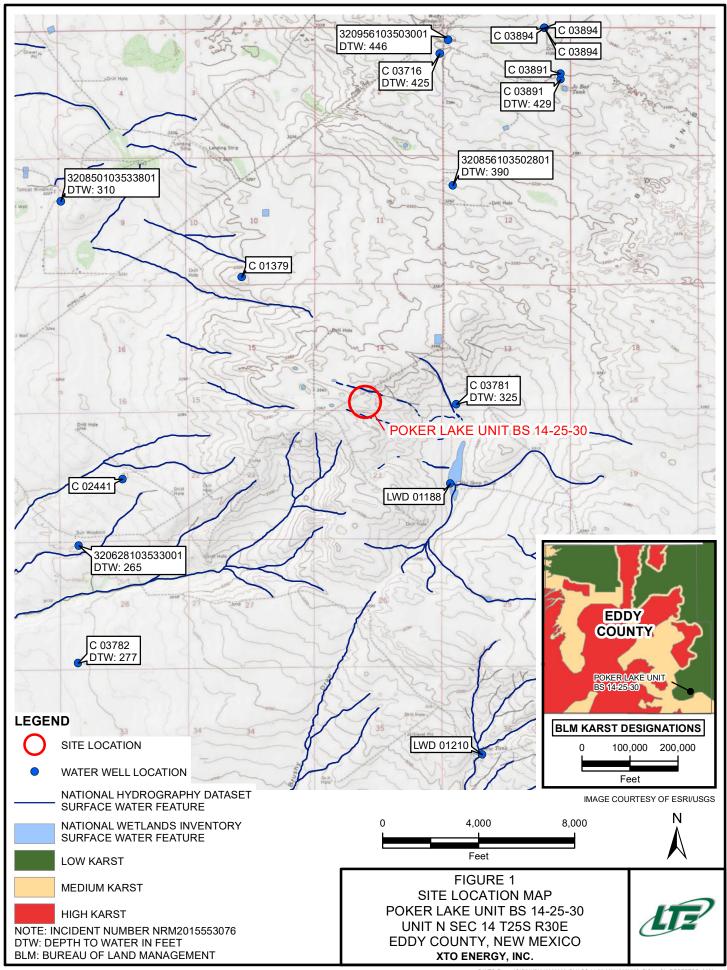
Attachment 1 Referenced Well Records

Attachment 2 Lithologic/Soil Sampling Logs

Attachment 3 Photographic Log

Attachment 4 Laboratory Analytical Reports





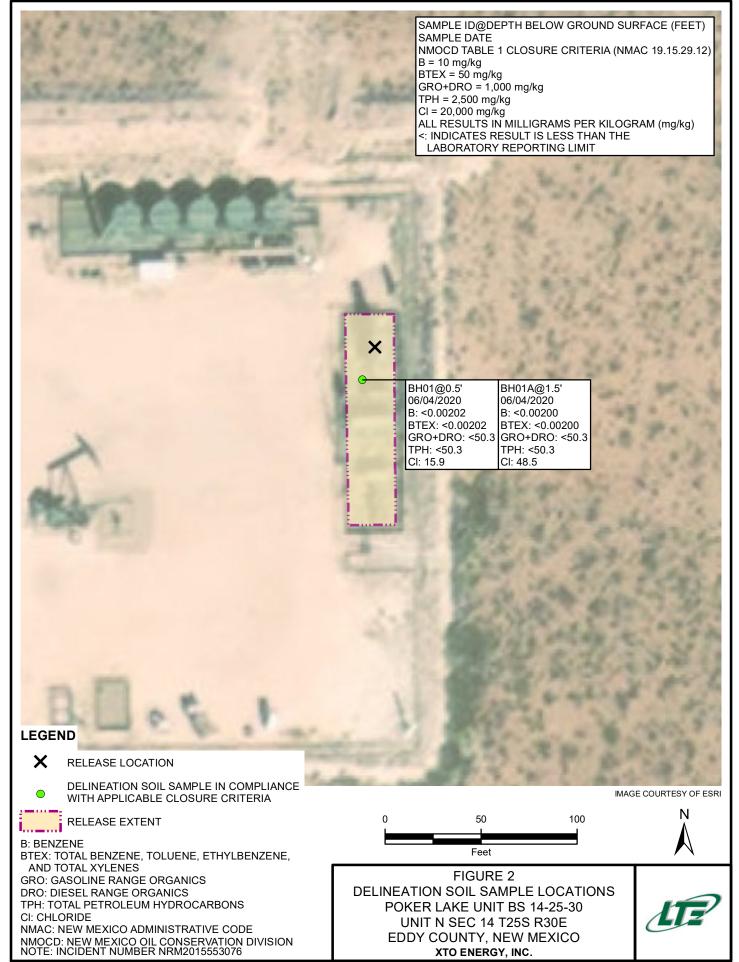




TABLE 1 SOIL ANALYTICAL RESULTS

POKER LAKE UNIT BS 14-25-30 INCIDENT NUMBER NRM2015553076 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
BH01	0.5	06/04/2020	<0.00202	<0.00202	<0.00202	<0.00202	<0.00202	<50.3	<50.3	<50.3	<50.3	<50.3	15.9
BH01A	15	06/04/2020	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	48.5

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





Received by OCD: 7/29/2020 12:01:40 PM



New Mexico Office of the State Engineer

Water Right Summary

get image list

WR File Number: C 03781 Subbasin: CUB Cross Reference: -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: Subfile: - Header: -

Total Diversion: 0 Cause/Case: -

Agent: ATKINS ENGR ASSOC INC

Contact: CHRIS CORTEZ
Owner: BOPCO, L.P.
Contact: BRIAN PREGGER

Documents on File

Trn# Doc File/Act 1 2 Transaction Desc. To Acres Diversion Consumptive

 № 1 images
 555114 EXPL 2014-11-14
 PMT LOG C 03781
 T
 0
 0

Current Points of Diversion

(NAD83 UTM in meters)

POD Number
C 03781 POD1Well TagSource
Artesian64 Q16Q4Sec
3Tws Rng
3X
3Y
609306Other Location Desc
3554761Other Location Desc
1/3 MILE W. OF BUCK
JACKSON RD

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, or suitability for any particular purpose of the data.

7/8/20 1:23 PM WATER RIGHT SUMMARY

1 of 1 7/8/2020, 2:23 PM



Lat/Lor	LT Environmental, Inc. 508 West Stevens Street Carlsbad, New Mexico 88220 Compliance · Engineering · Remediation LITHOLOGIC / SOIL SAMPLING LOG Lat/Long: Field Screening: Chloride, PID								BH or PH Name BHO 1 Site Name: RP or Incident N LTE Job Numbe Logged By: Hole Diameter:	PLU BS	
Moisture Content		Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol			Lithology/F	Remarks
M	Z124	8.1 2124	f 2	BH01	0.5'-	0	5	CHC	E/SP-SM	Вюши	14
W	(124	6124°	M	BH01A	1.5	2	5		•		
						3 4 5 7 8		Aug	er Re	Fusal	
						11	1				



PHOTOGRAPHIC LOG



Photograph 1: Northeast overview of lined containment



Photograph 2: View of separation equipment area where liner tear is located



Photograph 3: View of liner tear



Photograph 4: View of backfilled bore hole through liner





Analytical Report 663490

for

LT Environmental, Inc.

Project Manager: Dan Moir

PLU Big Sinks 14-25-30 012920088 06.08.2020

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122): Texas (T104704215-20-32), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054) Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

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

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



06.08.2020

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

Reference: XENCO Report No(s): 663490

PLU Big Sinks 14-25-30

Project Address:

Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 663490. 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. 663490 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

Project Manager

A Small Business and Minority Company

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

Sample Cross Reference 663490

LT Environmental, Inc., Arvada, CO

PLU Big Sinks 14-25-30

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH01	S	06.04.2020 10:26	0.5 ft	663490-001
BH01A	S	06.04.2020 11:08	1.5 ft	663490-002

Page 26 of 38

CASE NARRATIVE

XENCO
LABORATORIES

Client Name: LT Environmental, Inc. Project Name: PLU Big Sinks 14-25-30

 Project ID:
 012920088
 Report Date:
 06.08.2020

 Work Order Number(s):
 663490
 Date Received:
 06.04.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Received by OCD: 7/29/2020 12:01:40 PM XENCO LABORATORIES

Certificate of Analysis Summary 663490

LT Environmental, Inc., Arvada, CO

Project Name: PLU Big Sinks 14-25-30

Project Id: Contact: 012920088

Dan Moir

Date Received in Lab: Thu 06.04.2020 13:22

Report Date: 06.08.2020 10:40

Project Location: Project Manager: Jessica Kramer

	Lab Id:	663490-0	001	663490-0	002		
Analysis Requested	Field Id:	BH01		BH012	A		
Analysis Requested	Depth:	0.5- ft		1.5- ft			
	Matrix:	SOIL		SOIL			
	Sampled:	06.04.2020	10:26	06.04.2020	11:08		
BTEX by EPA 8021B	Extracted:	06.04.2020	14:30	06.04.2020	18:52		
	Analyzed:	06.04.2020	18:41	06.05.2020	04:12		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		< 0.00202	0.00202	< 0.00200	0.00200		
Toluene		< 0.00202	0.00202	< 0.00200	0.00200		
Ethylbenzene		< 0.00202	0.00202	< 0.00200	0.00200		
m,p-Xylenes		< 0.00404	0.00404	< 0.00400	0.00400		
o-Xylene		< 0.00202	0.00202	< 0.00200	0.00200		
Total Xylenes		< 0.00202	0.00202	< 0.00200	0.00200		
Total BTEX		< 0.00202	0.00202	< 0.00200	0.00200		
Chloride by EPA 300	Extracted:	06.04.2020	17:00	06.04.2020	17:00		
	Analyzed:	06.04.2020	18:55	06.04.2020	19:02		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		15.9	9.90	48.5	9.98		
TPH by SW8015 Mod	Extracted:	06.04.2020	14:30	06.04.2020	14:30		
	Analyzed:	06.05.2020	09:54	06.04.2020	14:56		
	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	<50.3	50.3		
Motor Oil Range Hydrocarbons (MRO)		< 50.3	50.3	<50.3	50.3		
Total GRO-DRO		<50.3	50.3	<50.3	50.3		
Total TPH		< 50.3	50.3	<50.3	50.3		

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

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

Jessica Vramer

Jessica Kramer Project Manager



LT Environmental, Inc., Arvada, CO

PLU Big Sinks 14-25-30

Sample Id: **BH01** Matrix:

Date Received:06.04.2020 13:22

Lab Sample Id: 663490-001

Soil Date Collected: 06.04.2020 10:26

Sample Depth: 0.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

MAB

% Moisture:

Analyst:

MAB

Date Prep: 06.04.2020 17:00 Basis:

Wet Weight

Seq Number: 3128048

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15.9	9.90	mg/kg	06.04.2020 18:55		1

Analytical Method: TPH by SW8015 Mod

Prep Method: SW8015P

Tech: Analyst: DTH DTH

06.04.2020 14:30 Date Prep:

Basis:

% Moisture:

Wet Weight

Seq Number: 3128108

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3		mg/kg	06.05.2020 09:54	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.3	50.3		mg/kg	06.05.2020 09:54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.3	50.3		mg/kg	06.05.2020 09:54	U	1
Total GRO-DRO	PHC628	< 50.3	50.3		mg/kg	06.05.2020 09:54	U	1
Total TPH	PHC635	<50.3	50.3		mg/kg	06.05.2020 09:54	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	88	%	70-135	06.05.2020 09:54
o-Terphenyl	84-15-1	82	%	70-135	06.05.2020 09:54



LT Environmental, Inc., Arvada, CO

PLU Big Sinks 14-25-30

Sample Id: **BH01**

Matrix: Soil Date Received:06.04.2020 13:22

Lab Sample Id: 663490-001

Date Collected: 06.04.2020 10:26

Sample Depth: 0.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech:

MAB

70-130

% Moisture:

Analyst:

MAB

Date Prep: 06.04.2020 14:30 Basis: Wet Weight

06.04.2020 18:41

Seq Number: 3128056

1,4-Difluorobenzene

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	06.04.2020 18:41	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	06.04.2020 18:41	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	06.04.2020 18:41	U	1
m,p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	06.04.2020 18:41	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	06.04.2020 18:41	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	06.04.2020 18:41	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	06.04.2020 18:41	U	1
Surrogate	•	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	4	460-00-4	94	%	70-130	06.04.2020 18:41		

107

540-36-3



LT Environmental, Inc., Arvada, CO

PLU Big Sinks 14-25-30

Sample Id: BH01A Lab Sample Id: 663490-002

Matrix:

Soil

Date Received:06.04.2020 13:22

Date Collected: 06.04.2020 11:08 Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

Tech:

MAB

MAB Analyst:

Date Prep: 06.04.2020 17:00 Basis:

Wet Weight

Seq Number: 3128048

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	48.5	9.98	mg/kg	06.04.2020 19:02		1

Analytical Method: TPH by SW8015 Mod

DTH

Tech:

DTH

Analyst:

Date Prep:

06.04.2020 14:30

Prep Method: SW8015P

% Moisture:

Basis:

Wet Weight

Seq Number: 3128082

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	< 50.3	50.3		mg/kg	06.04.2020 14:56	U	1
Diesel Range Organics (DRO)	C10C28DRO	< 50.3	50.3		mg/kg	06.04.2020 14:56	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	< 50.3	50.3		mg/kg	06.04.2020 14:56	U	1
Total GRO-DRO	PHC628	< 50.3	50.3		mg/kg	06.04.2020 14:56	U	1
Total TPH	PHC635	< 50.3	50.3		mg/kg	06.04.2020 14:56	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	104	%	70-135	06.04.2020 14:56
o-Terphenyl	84-15-1	109	%	70-135	06.04.2020 14:56



LT Environmental, Inc., Arvada, CO

PLU Big Sinks 14-25-30

Sample Id: **BH01A**

Matrix: Soil

Date Received:06.04.2020 13:22

Lab Sample Id: 663490-002

Date Collected: 06.04.2020 11:08

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech:

MAB

% Moisture:

Analyst: MAB

Date Prep:

06.04.2020 18:52

Basis: Wet Weight

Seq Number: 3128058

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	06.05.2020 04:12	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	06.05.2020 04:12	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	06.05.2020 04:12	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	06.05.2020 04:12	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	06.05.2020 04:12	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	06.05.2020 04:12	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	06.05.2020 04:12	U	1
Surrogate	Ca	s Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	93	%	70-130	06.05.2020 04:12	
1,4-Difluorobenzene	540-36-3	107	%	70-130	06.05.2020 04:12	



Flagging Criteria

- X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- **B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- **D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- RPD exceeded lab control limits.
- The target analyte was positively identified below the quantitation limit and above the detection limit.
- Analyte was not detected.
- 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.

RLReporting 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

DLMethod Detection Limit

NC Non-Calculable

SMP Client Sample

BLK

MS

Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample

BKSD/LCSD Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD

Method Duplicate/Sample Duplicate

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

Flag

Flag

Flag

E300P

E300P

SW8015P

SW8015P

Prep Method:

Prep Method:

Prep Method:



QC Summary 663490

LT Environmental, Inc.

PLU Big Sinks 14-25-30

Analytical Method: Chloride by EPA 300 Prep Method: Seq Number: 3128048 Matrix: Solid Date Prep:

06.04.2020 LCS Sample Id: 7704822-1-BKS LCSD Sample Id: 7704822-1-BSD MB Sample Id: 7704822-1-BLK

LCS RPD MB Spike LCS Limits %RPD Units Analysis LCSD LCSD **Parameter** Result Amount Result %Rec Result %Rec Limit Date Chloride <10.0 250 252 101 252 90-110 0 20 06.04.2020 18:06 101 mg/kg

Analytical Method: Chloride by EPA 300

E300P Prep Method: Seq Number: 3128048 Matrix: Soil Date Prep: 06.04.2020 663487-001 S 663487-001 MS Sample Id: MSD Sample Id: 663487-001 SD Parent Sample Id:

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

06.04.2020 18:27 Chloride 126 200 319 97 319 97 90-110 0 20 mg/kg

Analytical Method: Chloride by EPA 300

3128048 Seq Number: Matrix: Soil Date Prep: 06.04.2020 MS Sample Id: 663532-006 S MSD Sample Id: 663532-006 SD Parent Sample Id: 663532-006

Spike **RPD Parent** MS MS %RPD Units MSD **MSD** Limits Analysis Flag **Parameter** Result Result Limit Date Amount %Rec Result %Rec Chloride 108 20 06.04.2020 20:26 199 294 93 292 93 90-110 mg/kg

Analytical Method: TPH by SW8015 Mod

3128082 Matrix: Solid Seq Number: Date Prep: 06.04.2020

MB Sample Id: 7704842-1-BLK LCS Sample Id: 7704842-1-BKS LCSD Sample Id: 7704842-1-BSD

RPD MB Spike LCS LCS LCSD LCSD Limits %RPD Units Analysis **Parameter** Result Limit Date Result Amount %Rec %Rec Result Gasoline Range Hydrocarbons (GRO) 06.04.2020 14:13 916 92 35 < 50.0 1000 921 92 70-135 mg/kg 06.04.2020 14:13 Diesel Range Organics (DRO) 997 100 985 99 70-135 35 < 50.0 1000 1 mg/kg

LCS MBMB LCS LCSD Limits Units Analysis LCSD **Surrogate** %Rec %Rec Flag Date Flag %Rec Flag 06.04.2020 14:13 1-Chlorooctane 106 111 110 70-135 % 06.04.2020 14:13 o-Terphenyl 112 121 106 70-135 %

Analytical Method: TPH by SW8015 Mod

Seq Number: 3128108 Matrix: Solid Date Prep: 06.04.2020

LCS Sample Id: 7704860-1-BKS LCSD Sample Id: 7704860-1-BSD MB Sample Id: 7704860-1-BLK

MB Spike LCS LCS Limits %RPD RPD Units Analysis LCSD LCSD **Parameter** Limit Result Amount Result %Rec Date Result %Rec Gasoline Range Hydrocarbons (GRO) 06.04.2020 17:22 1000 992 99 1020 35 < 50.0 102 70-135 3 mg/kg 06.04.2020 17:22 Diesel Range Organics (DRO) 70-135 < 50.0 1000 1130 113 1100 110 3 35 mg/kg

MB MB LCS LCS LCSD Units Analysis LCSD Limits **Surrogate** Flag Date %Rec Flag %Rec %Rec Flag 06.04.2020 17:22 1-Chlorooctane 97 118 122 70-135 % 06.04.2020 17:22 o-Terphenyl 96 106 111 70-135 %

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 = Parent Result = MS/LCS Result

= MSD/LCSD Result

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



QC Summary 663490

LT Environmental, Inc.

PLU Big Sinks 14-25-30

Analytical Method: TPH by SW8015 Mod

Seq Number:

3128082

Matrix: Solid

SW8015P Prep Method:

Date Prep: 06.04.2020

MB Sample Id: 7704842-1-BLK

Parameter

MBResult

Units

Analysis Flag Date

Motor Oil Range Hydrocarbons (MRO)

< 50.0

mg/kg

06.04.2020 13:52

Analytical Method: TPH by SW8015 Mod

Seq Number:

3128108

Matrix: Solid

SW8015P Prep Method:

Date Prep:

MB Sample Id: 7704860-1-BLK

06.04.2020

Parameter

MB Result Units

Analysis Flag Date

Flag

Flag

Motor Oil Range Hydrocarbons (MRO)

< 50.0

06.04.2020 13:52 mg/kg

Analytical Method: TPH by SW8015 Mod

Seq Number:

3128082

Matrix: Soil

SW8015P Prep Method:

Date Prep:

06.04.2020

Parent Sample Id:

663490-002

MS Sample Id: 663490-002 S MSD Sample Id: 663490-002 SD

Spike %RPD **RPD** MS MS Units Parent MSD **MSD** Limits Analysis **Parameter** Result Result Limit Date Amount %Rec Result %Rec Gasoline Range Hydrocarbons (GRO) <49.9 998 1090 109 70-135 35 mg/kg 06.04.2020 15:17 1100 110 1 Diesel Range Organics (DRO) <49.9 998 1270 127 1260 70-135 35 06.04.2020 15:17 126 1 mg/kg

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	120		122		70-135	%	06.04.2020 15:17
o-Terphenyl	114		117		70-135	%	06.04.2020 15:17

Analytical Method: TPH by SW8015 Mod

Seq Number:

3128108

Matrix: Soil

Prep Method:

SW8015P

Parent Sample Id:

o-Terphenyl

663490-001

MS Sample Id: 663490-001 S

Date Prep: MSD Sample Id: 663490-001 SD

35

70-135

3

06.04.2020

%RPD RPD **Parent** Spike MS MS **MSD MSD** Limits Units Analysis **Parameter** Result Limit Date Result %Rec Amount Result %Rec Gasoline Range Hydrocarbons (GRO) 3 35 06.05.2020 10:14 1260 mg/kg

Diesel Range Organics (DRO)

< 50.2 1000 < 50.2 1000 126 1300 115 1190 130 70-135 70-135 119

123

mg/kg

%

06.05.2020 10:14

06.05.2020 10:14

MS MS **MSD** Limits Units Analysis **MSD Surrogate** %Rec Flag %Rec Flag Date 06.05.2020 10:14 1-Chlorooctane 130 126 70-135 %

1150

117

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

E = MSD/LCSD Result

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

Flag

Flag



LT Environmental, Inc.

PLU Big Sinks 14-25-30

Analytical Method:BTEX by EPA 8021BPrep Method:SW5035ASeq Number:3128056Matrix:SolidDate Prep:06.04.2020MB Sample Id:7704782-1-BLKLCS Sample Id:7704782-1-BKSLCSD Sample Id:7704782-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.111	111	0.119	119	70-130	7	35	mg/kg	06.04.2020 15:17	
Toluene	< 0.00200	0.100	0.104	104	0.113	113	70-130	8	35	mg/kg	06.04.2020 15:17	
Ethylbenzene	< 0.00200	0.100	0.0981	98	0.105	105	71-129	7	35	mg/kg	06.04.2020 15:17	
m,p-Xylenes	< 0.00400	0.200	0.198	99	0.217	109	70-135	9	35	mg/kg	06.04.2020 15:17	
o-Xylene	< 0.00200	0.100	0.102	102	0.109	109	71-133	7	35	mg/kg	06.04.2020 15:17	
Surrogate	MB %Rec	MB Flag			LCS Flag	LCSI %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene	111		1	06		106		70	-130	%	06.04.2020 15:17	
4-Bromofluorobenzene	94		8	19		90		70	-130	%	06.04.2020 15:17	

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

 Seq Number:
 3128058
 Matrix:
 Solid
 Date Prep:
 06.04.2020

 MB Sample Id:
 7704812-1-BLK
 LCS Sample Id:
 7704812-1-BKS
 LCSD Sample Id:
 7704812-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.112	112	0.111	111	70-130	1	35	mg/kg	06.05.2020 02:30
Toluene	< 0.00200	0.100	0.107	107	0.104	104	70-130	3	35	mg/kg	06.05.2020 02:30
Ethylbenzene	< 0.00200	0.100	0.0999	100	0.0961	96	71-129	4	35	mg/kg	06.05.2020 02:30
m,p-Xylenes	< 0.00400	0.200	0.204	102	0.195	98	70-135	5	35	mg/kg	06.05.2020 02:30
o-Xylene	< 0.00200	0.100	0.105	105	0.101	101	71-133	4	35	mg/kg	06.05.2020 02:30

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		108		108		70-130	%	06.05.2020 02:30
4-Bromofluorobenzene	94		93		97		70-130	%	06.05.2020 02:30

Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A

 Seq Number:
 3128056
 Matrix:
 Soil
 Date Prep:
 06.04.2020

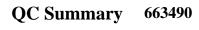
 Parent Sample Id:
 663406-002
 MS Sample Id:
 663406-002 S
 MSD Sample Id:
 663406-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.0998	0.120	120	0.128	128	70-130	6	35	mg/kg	06.04.2020 15:58
Toluene	< 0.00200	0.0998	0.113	113	0.121	121	70-130	7	35	mg/kg	06.04.2020 15:58
Ethylbenzene	< 0.00200	0.0998	0.106	106	0.114	114	71-129	7	35	mg/kg	06.04.2020 15:58
m,p-Xylenes	< 0.00399	0.200	0.214	107	0.231	115	70-135	8	35	mg/kg	06.04.2020 15:58
o-Xylene	< 0.00200	0.0998	0.107	107	0.116	116	71-133	8	35	mg/kg	06.04.2020 15:58

Surrogate	MS MS %Rec Flag	MSD MSS %Rec Fla		Units	Analysis Date
1,4-Difluorobenzene	109	108	70-130	%	06.04.2020 15:58
4-Bromofluorobenzene	91	95	70-130	%	06.04.2020 15:58

SW5035A

Prep Method:





LT Environmental, Inc.

PLU Big Sinks 14-25-30

Analytical Method: BTEX by EPA 8021B

Seq Number: 3128058

Parent Sample Id: 663490-002

Matrix: Soil Date Prep: 06.04.2020 MS Sample Id: 663490-002 S MSD Sample Id: 663490-002 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	0.0764	76	0.0726	73	70-130	5	35	mg/kg	06.05.2020 03:11	
Toluene	< 0.00200	0.100	0.0744	74	0.0705	71	70-130	5	35	mg/kg	06.05.2020 03:11	
Ethylbenzene	< 0.00200	0.100	0.0876	88	0.0808	81	71-129	8	35	mg/kg	06.05.2020 03:11	
m,p-Xylenes	< 0.00401	0.200	0.177	89	0.161	81	70-135	9	35	mg/kg	06.05.2020 03:11	
o-Xylene	< 0.00200	0.100	0.0900	90	0.0829	83	71-133	8	35	mg/kg	06.05.2020 03:11	
Surrogate			M %F		MS Flag	MSD %Re			imits	Units	Analysis Date	
1,4-Difluorobenzene			10)9		105		70	-130	%	06.05.2020 03:11	
4-Bromofluorobenzene			9	2		93		70	-130	%	06.05.2020 03:11	

Address:

Company Name:

City, State ZIP:

Midland, TX 79705

City, State ZIP:

Carlsbad, NM

3104 E Greene St. XTO Energy

Bill to: (if different) Company Name:

Kyle Littrell

(432) 701-2610

3300 North A St. Bldg 1, Unit 222 LT Environmental, Inc., Permian office

Chain of Custody

Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000) 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

Work Order No: ((23491)

Routine Pate: No Wet Ice: Yes No Thermometer ID	Routine PRush: Due Date: Ves No Containers Conta	Containers 115) A 300.0)	Containers 115) A 300.0)	Date: Containers 115) ANALYSIS REQUES A 300.0)	Date: Containers 115) ANALYSIS REQUES A 300.0)	Containers 115) A 300.0) AN
	umber of Containers PH (EPA 8015) TEX (EPA 8021)		AN	ANALYSIS REQUES	ANALYSIS REQUES	ANALYSIS REQUEST ANALYSIS REQUEST TAT s

Revised Date 051418 Rev. 2018.1

Program: UST/PST □PRP □Brownfields □RC

uperfund

www.xenco.com

Page

9

Work Order Comments

State of Project: NM

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.

Work Order #: 663490

Acceptable Temperature Range: 0 - 6 degC

Temperature Measuring device used: T-NM-007

Air and Metal samples Acceptable Range: Ambient Date/ Time Received: 06.04.2020 01.22.00 PM

	Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?		2.2	
#2 *Shipping container in good condition?		Yes	
#3 *Samples received on ice?		Yes	
#4 *Custody Seals intact on shipping contain	ner/ cooler?	Yes	
#5 Custody Seals intact on sample bottles?		Yes	
#6*Custody Seals Signed and dated?		Yes	
#7 *Chain of Custody present?		Yes	
#8 Any missing/extra samples?		No	
#9 Chain of Custody signed when relinquish	ed/ received?	Yes	
#10 Chain of Custody agrees with sample la	bels/matrix?	Yes	
#11 Container label(s) legible and intact?		Yes	
#12 Samples in proper container/ bottle?		Yes	Samples received in bulk containers.
#13 Samples properly preserved?		Yes	
#14 Sample container(s) intact?		Yes	
#15 Sufficient sample amount for indicated t	est(s)?	Yes	
#16 All samples received within hold time?		Yes	
#17 Subcontract of sample(s)?		No	
#18 Water VOC samples have zero headspa	ace?	N/A	

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Date: 06.04.2020

Checklist reviewed by:

Date: 06.05.2020