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 Page 110f/66 NRM2015454866

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM2015454866
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

Responsible Party XTO Energy	OGRID 5380
Contact Name Kyle Littrell	Contact Telephone 432-221-7331
Contact email Kyle_Littrell@xtoenergy.com	Incident # (assigned by OCD)
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

#### **Location of Release Source**

Latitude 32.12424

	Longitude -103.89604
(NAD 83	n decimal degrees to 5 decimal places)

Site Name Pierce Canyon 17 TB	Site Type Tank Battery		
Date Release Discovered 5-17-2020	API# (if applicable)		

Unit Letter	Section	Township	Range	County
Р	17	258	30E	Eddy

Surface Owner: State 🗷 Federal 🗌 Tribal 🗌 Private (Name: \_

#### Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
► Produced Water	Volume Released (bbls) 35	Volume Recovered (bbls) 35
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Water tanks overflowed through top of the thief hatches on the PC 17 TB. A vac truck was dispatched and recovered 35 bbl PW from inside impermeable containment. Liner inspection determined the liner was insufficient. A third-party contractor has been retained for remediation activities.

#### Rec

ived by OCD: 2/18/2021	11:21:25 AM			Page
orm C-141	State of New Mexico		Incident ID	NRM2015454866
age 2	Oil Conservation Division		District RP	
			Facility ID	
			Application ID	
Was this a major	If YES, for what reason(s) does the resp	onsible party conside	r this a major release	?
release as defined by	Release was over 25 barrels		2	
19.15.29.7(A) NMAC?				
Yes No				
If YES, was immediate n	otice given to the OCD? By whom? To y	whom? When and by	what means (phone.	email, etc)?
Yes, by Amy Ruth to Mik	e Bratcher; Rob Hamlet; Victoria Venega	s; blm nm cfo spill(	ablm.gov; Crisha	,).
Morgan; 'Griswold, Jim, H	EMNRD' via email on Monday, May 18, 2	.020 1:51 PM.		-
	Initial F	Response		
The responsible	party must undertake the following actions immedia	tely unless they could creat	e a safety hazard that wo	uld result in injury
[				
► The source of the rela	ease has been stopped.			
★ The impacted area has	is been secured to protect human health an	d the environment.		
Released materials ha	ave been contained via the use of berms or	dikes, absorbent pad	s, or other containme	ent devices.
All free liquids and r	ecoverable materials have been removed a	ind managed appropri	ately.	
If all the actions describe	d above have not been undertaken, explai	n why.		
	a above have <u>not</u> been undertaken, explain	i wity.		
N/A				
Per 19.15.29.8 B. (4) NN	IAC the responsible party may commence	remediation immedia	ately after discovery	of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedia $r_{area}$ (see 19.15.29.11(A)(5)(a) NMAC	I efforts have been su	uccessfully complete	d or if the release occurred
		, prease attach an into	Initiation needed for t	
I hereby certify that the info	rmation given above is true and complete to the required to report and/or file certain release no	e best of my knowledge tifications and perform	and understand that percent corrective actions for r	rsuant to OCD rules and eleases which may endanger
public health or the environ	ment. The acceptance of a C-141 report by the	OCD does not relieve t	he operator of liability	should their operations have
failed to adequately investig	ate and remediate contamination that pose a th	reat to groundwater, sur	face water, human hea	Ith or the environment. In
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of	of responsibility for com	ipliance with any other	rederal, state, or local laws
Kyle Littr	rell	SH&E Su	pervisor	
Printed Name:	12	Title:	F	
Signature /	there	Date: 5-29-20		
. Kycemrell@xto	benergy.com	432-2	221-7331	
email:	3/	Telephone:	_	
OCD Only				
Dame	ana Marous	6/2/2020	1	
Received by: Kame		Date:		

NRM2015454866

Location:	Pierce Canyon 17 TB		
Spill Date:	5/17/2020		
	Area 1		
Approximate Ar	ea =	196.51	cu. ft.
	VOLUME RECOVERED		
Total Produced	Water =	35.00	bbls

TOTAL VOLUME OF LEAK			
Total Produced Water =	35.00 bbls		
TOTAL VOLUME RECOVERED			
Total Produced Water =	35.00 bbls		

Received by OCD: 2/18/2021 11:21:25 AM Form C-141 State of New Mexico

Oil Conservation Division

	Page 4 of 6
Incident ID	NRM2015454866
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?	<u>&gt;100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🔽 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🗹 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🗹 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🗹 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🗹 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🔽 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🗹 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🔽 No

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

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

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

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

Page 3

Received by OCD: 2/1	8/2021 11:21:25 AM			Page 5 of 60
101111 C=141			Incident ID	NRM2015454866
Page 4	Oil Conservation Division	-	District RP	
			Facility ID	
			Application ID	
I hereby certify that the regulations all operator public health or the env failed to adequately inv addition, OCD acceptar and/or regulations. Printed Name: Signature: email:	information given above is true and complete to the s are required to report and/or file certain release no vironment. The acceptance of a C-141 report by the restigate and remediate contamination that pose a the nce of a C-141 report does not relieve the operator of Kyle Littrell	e best of my knowledge a otifications and perform co OCD does not relieve the reat to groundwater, surfa of responsibility for comp 	and understand that purs orrective actions for rele e operator of liability sh ace water, human health liance with any other fe pervisor	uant to OCD rules and eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only				
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**Received by OCD: 2/18/2021 11:21:25 AM** Form C-141 State of New Mexico

Oil Conservation Division

Incident ID	NRM2015454866
District RP	
Facility ID	
Application ID	

## **Remediation Plan**

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

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around prodeconstruction.	oduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health,	the environment, or groundwater.
I hereby certify that the information given above is true and complete rules and regulations all operators are required to report and/or file co- which may endanger public health or the environment. The acceptar liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la Printed Name:	e to the best of my knowledge and understand that pursuant to OCD ertain release notifications and perform corrective actions for releases ice of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, cceptance of a C-141 report does not relieve the operator of ws and/or regulations. Title: <u>SH&amp;E Supervisor</u> Date: <u>02/10/2021</u> Telephone: <u>432-221-7331</u>
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature:	Date:

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 NRM2015454866 Form C-141 Revised August 24, 2018

Pagee710f/66

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM2015454866
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

Responsible Party XTO Energy	OGRID 5380	
Contact Name Kyle Littrell	Contact Telephone 432-221-7331	
Contact email Kyle_Littrell@xtoenergy.com	Incident # (assigned by OCD)	
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220		

#### Location of Release Source

Latitude 32.12424

	Longitude	-103.89604
(NAD 83 in decimal	degrees to 5 deci	mal places)

Site Name Pierce Canyon 17 TB	Site Type Tank Battery
Date Release Discovered 5-17-2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
Р	17	258	30E	Eddy

Surface Owner: State 🗷 Federal 🗌 Tribal 🗌 Private (Name: \_

#### Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
✗ Produced Water	Volume Released (bbls) 35	Volume Recovered (bbls) 35
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Water tanks overflowed through top of the thief hatches on the PC 17 TB. A vac truck was dispatched and recovered 35 bbl PW from inside impermeable containment. Liner inspection determined the liner was insufficient. A third-party contractor has been retained for remediation activities.

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			Facility ID	
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Was this a major	If VFS for what reason(s) does the r	esponsible party consider	this a major release	<u>م</u>
release as defined by	Release was over 25 barrels	esponsible party consider	uns a major rerease	5:
19.15.29.7(A) NMAC?				
🗶 Yes 🗌 No				
If YES, was immediate n	otice given to the OCD? By whom? T	To whom? When and by	what means (phone	, email, etc)?
Yes, by Amy Ruth to Mil Morgan: 'Griswold, Jim.	ce Bratcher; Rob Hamlet; Victoria Ven EMNRD' via email on Monday, May 1	egas; blm_nm_cfo_spill@ 8, 2020 1:51 PM.	blm.gov; Crisha	
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	Initia	l Response		
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	party must undertake the jollowing actions imme	eardiery unless they could creat	e a sajely nazara inal wo	alia result in injury
The source of the rel	ease has been stonned			
The imposted area b	ease has been stopped.	and the environment		
	as been secured to protect numan healtr	and the environment.		
Released materials h	ave been contained via the use of berm	s or dikes, absorbent pade	s, or other containm	ent devices.
All free liquids and r	ecoverable materials have been remove	ed and managed appropria	ately.	
If all the actions describe	d above have <u>not</u> been undertaken, exp	lain why:		
N/A				
Per 19.15.29.8 B. (4) NN	AC the responsible party may comme	nce remediation immedia	tely after discovery	of a release. If remediation
has begun, please attach within a lined containme	a narrative of actions to date. If remending a narrative of $19, 15, 29, 11(A)(5)(a)$ NMA	edial efforts have been su (C), please attach all info	ccessfully complete	ed or if the release occurred closure evaluation.
L hazahy antify that the inf		o the heat of my knowledge	and undamtand that a	urrouget to OCD rules and
regulations all operators are	required to report and/or file certain releas	e notifications and perform	corrective actions for	releases which may endanger
public health or the environ	ment. The acceptance of a C-141 report by	the OCD does not relieve the	he operator of liability	should their operations have
addition. OCD acceptance	of a C-141 report does not relieve the operation	a threat to groundwater, sur	pliance with any other	r federal, state, or local laws
and/or regulations.	r r		,	- , -,,
Printed Name: Kyle Litt	rell	Title: SH&E Su	pervisor	
	1 th	5-29-20		
1	a har in i	Date: Date:		
Signature	they			
email:	oenergy.com	Telephone: 432-2	221-7331	
email:	oenergy.com	Telephone: 432-2	221-7331	
email:	oenergy.com	Telephone: 432-2	221-7331	

Paceived by:	Ramona	Marcus
Received by:	Rumonu	I Tui Cub

NRM2015454866

Location:	Pierce Canyon 17 TB		
Spill Date:	5/17/2020		
	Area 1		
Approximate A	rea =	196.51	cu. ft.
	VOLUME RECOVERED		
<b>Total Produced</b>	Water =	35.00	bbls

TOTAL VOLUME OF LEAK				
Total Produced Water =	35.00 bbls			
TOTAL VOLUME RECOVERED				
Total Produced Water =	35.00 bbls			

Received by OCD: 2/18/2021 11:21:25 AM Form C-141 State of New Mexico

Oil Conservation Division

	Page 10 of (
Incident ID	NRM2015454866
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?	<u>&gt;100</u> (ft bgs)						
Did this release impact groundwater or surface water?	🗌 Yes 📈 No						
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?							
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 <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🔽 No						

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
   Field data
- Data table of soil contaminant concentration data
- $\checkmark$  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
- **Z** 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.

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Page 3

Received by OCD: 2/18/	2021 11:21:25 AM			Page 11 of 6
			Incident ID	NRM2015454866
Page 4	Oil Conservation Division	n	District RP	
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I hereby certify that the i regulations all operators public health or the envir failed to adequately inve addition, OCD acceptance and/or regulations. Printed Name:	nformation given above is true and complete to t are required to report and/or file certain release m conment. The acceptance of a C-141 report by th stigate and remediate contamination that pose a t the of a C-141 report does not relieve the operator Kyle Littrell	he best of my knowledge notifications and perform of the OCD does not relieve the threat to groundwater, surf of responsibility for comp 	and understand that purs corrective actions for relove the operator of liability sh face water, human health pliance with any other fe pervisor 2-221-7331	uant to OCD rules and eases which may endanger ould their operations have to or the environment. In deral, state, or local laws
OCD Only Received by:		Date		
Received by:		Date:		

Received by OCD: 2/18/2021 11:21:25 AM Form C-141 State of New Mexico

Incident ID	NRM2015454866
District RP	
Facility ID	
Application ID	

## **Remediation Plan**

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

Detailed description of proposed remediation technique

Scaled sitemap with GPS coordinates showing delineation points

Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

<b><u>Deferral Requests Only</u></b> : Each of the following items must be confirmed as part of any request for deferr	ral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation deconstruction.	could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health, the environment, or groundwater.	
I hereby certify that the information given above is true and complete to the best of my knowledge and under rules and regulations all operators are required to report and/or file certain release notifications and perform which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does r liability should their operations have failed to adequately investigate and remediate contamination that pose surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not re- responsibility for compliance with any other federal, state, or local laws and/or regulations.	rstand that pursuant to OCD corrective actions for releases not relieve the operator of a threat to groundwater, lieve the operator of
Printed Name:Kyle Littrell Title: SH&E Supervisor	
Signature: Date: 02/10/2021	
email:KTe_Littrell@xtoenergy.com Telephone:432-221-7331	
OCD Only	
Received by: Date:	
Approved Approved with Attached Conditions of Approval Denied	Deferral Approved
Signature: Date:	

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Page 5

WSP USA

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

February 10, 2021

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

RE: Closure Request Addendum XTO Energy, Inc. Pierce Canyon 17 TB Incident Number NRM2015454866 Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (formerly LT Environmental, Inc.), on behalf of XTO Energy, Inc. (XTO), is pleased to present the following addendum to an original Deferral Request submitted August 5, 2020. This Addendum provides an update to the delineation efforts at Pierce Canyon 17 Tank Battery (TB) (Site) in Unit P, Section 17, Township 25 South, Range 30 East, in Eddy County, New Mexico (Figure 1). XTO was notified by the New Mexico Oil Conservation Division (NMOCD) on December 7, 2020 of the denial of the original Deferral Request. In the denial, NMOCD expressed concern that residual impacts to soil were not vertically delineated at the deepest sample point location (BH03). Based on the additional delineation activities described below, XTO is requesting no further action (NFA) for Incident Number NRM2015454866.

#### REVISIONS

The revised report addresses the following updates:

- Residual soil impacts below the lined secondary containment were not vertically delineated due to equipment refusal during the initial attempt and safety concerns prohibiting mechanical excavation within the containment. WSP returned to the Site to advance a soil boring at the original BH03 borehole location to 4 feet below ground surface (bgs), and subsequently collected delineation soil sample BH03C. The description of the supplemental delineation event, including photographic evidence, the respective lithologic/soil sampling log, and laboratory analytical report, are presented in this Addendum.
- This Addendum only includes field summaries relevant to fulfilling the condition issued by the NMOCD on December 7, 2020. NMOCD requested vertical delineation of the deepest sample inside the secondary lined containment to the applicable Table 1 Closure Criteria. All previous data can be referenced in the original report.

vsp

District II Page 2

#### BACKGROUND

On May 17, 2020, the water tanks overflowed through the top of the thief hatches, resulting in 35 barrels (bbls) of produced water being released into the lined secondary containment. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids, of which approximately 35 bbls of produced were recovered. A liner integrity inspection was immediately conducted by XTO personnel following the recovery. 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 compromised. XTO reported the release to the NMOCD via email on May 18, 2020 and submitted a Release Notification and Corrective Action Form C-141 (Form C-141) on May 29, 2020 that was subsequently assigned Incident Number NRM2015454866.

#### SITE CHARACTERIZATION

As stated in the original report, WSP 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). Results from the characterization desktop review are presented on Form C-141, Site Assessment/Characterization Form. Potential site receptors are identified on Figure 1. The following Closure Criteria were applied:

- 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

#### **DELINEATION ACTIVITIES**

On January 7, 2021, WSP utilized a Shaw Tool, Ltd Portable Core Drill to advance the area associated with soil sample BH03 to determine the vertical extent of impact. Soil sample BH03C was collected at 4 feet bgs. Due to the location of the release, a Hot Work Permit was necessary to conduct investigative motor or electric powered drilling methods within 35 feet of any hydrocarbon sources. In coordination with XTO, an XTO safety representative was retained to conduct air monitoring as part of the permit process for investigative core drilling activities.

The borehole soil sample was field screened for volatile aromatic hydrocarbons and chloride utilizing a photo-ionization detector (PID) and Hach<sup>®</sup> chloride QuanTab<sup>®</sup> test strips, respectively. Field screening results and observations for the continuation of BH03 were logged on a lithologic/soil sampling log, which is included in Attachment 1. The delineation soil sample location is depicted on Figure 2. Photographic evidence is included in Attachment 2.



District II Page 3

The delineation soil sample was placed directly into a pre-cleaned glass jar, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil sample was transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) 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 from the delineation soil sample indicates compliance with Closure Criteria and defines the vertical extent of residual subsurface impacts. Laboratory analytical results are summarized in Table 1. The complete laboratory analytical report is included in Attachment 3.

#### **DEFERRAL REQUEST**

Due to the advancement of soil sample BH03C, WSP achieved vertical delineation at sample location BH03 in accordance with the Closure Criteria at approximately 4 feet bgs within the lined secondary containment and addressed NMOCD's reason for denial of the original Deferral Request. Based on the laboratory analytical results, WSP estimates approximately 637 cubic yards of impacted soil is left in place below the 4,302 square foot lined secondary containment. WSP requests NMOCD to review the supplemental delineation data and reconsider the denial associated with the original Deferral Request. As such, XTO respectfully requests to defer final remediation of soil impacts for Incident Number NRM2015454866 until well plugging and abandonment.

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

Sincerely,

WSP USA

anna Byers

Anna Byers Consultant, Geologist

Ashley L. ager

Ashley L. Ager, P.G. Managing Director, Geologist



District II Page 4

cc: Kyle Littrell, XTO Robert Hamlet, NMOCD Victoria Venegas, NMOCD Bureau of Land Management

Attachments:

- Figure 1 Site Location Map
- Figure 2 Delineation Soil Sample Location Map
- Figure 3 Deferral Area Map
- Table 1Soil Analytical Results
- Attachment 1 Lithologic/Soil Sampling Log
- Attachment 2 Photographic Log
- Attachment 3 Laboratory Analytical Reports

# FIGUR

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P:\XTO Energy\GIS\MXD\012920085\_PIERCE CANYON 17 TB\012920085\_FIG01\_SL\_RECEPTOR\_2020\_1.mxd





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#### Table 1

#### Soil Analytical Results Pierce Canyon 17 TB Incident Number NRM2015454866 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29) 10				50	NE	NE	NE	1,000	2,500	20,000
<b>Delineation Samples</b>										
BH03	07/16/2020	0.5	< 0.0998	15.9	6,600	901	417	7,500	7,920	126
BH03A	07/16/2020	2	< 0.0996	80.8	6,880	1,200	434	8,080	8,510	467
BH03B	07/17/2020	3	< 0.00500	8.78	4,250	571	228	4,820	5,050	462
BH03C	01/07/2021	4	0.0123	2.88	<49.8	575	63.7	575	639	85.6

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

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DRO - diesel range organics

GRO - gasoline range organics

ORO - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

< - indicates result is less than the stated laboratory method practical quantitation limit

NE - Not Established

**BOLD** - indicates results exceed the higher of the background sample result or applicable regulatory standard Greyed data represents samples that were excavated

	WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220			BH or PH Name: BH03 Site Name: PLU PC 17 RP or Incident Number LTE Job Number: TE01	7 TB : NRM20154 12920085	Date: 7/16 - 7/17/2020, 1/7/2021 54866					
		LITH	OLOC	GIC / SOII	L SAMPI	LING LO	)G		Logged By: FS and TC		Method: HVAC, Hammer Drill and Core
Lat/Lo	ong: 32.1242	233, -103.8	95873		Field Scree	ning:			Hole Diameter: 2.5 inch	nes	Total Depth: 4 ft bgs
Comm	nents: Chlori	ide screeni	ngs wer	e conducted w	Hach chlor ith a 1:4 dilu	ide strips, F ution factor	ID of soil to d	listilled water	. Reported values includ	le a 40% corr	ection factor.
SAA:	Same as abo	ove	0			1			1	-	
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Ι	Lithology/F	Remarks
М	436	1,042	Y	BH03	0.5	0	SP	SAND, dı caliche gr	y, tan-light brown, avel, tan-off white,	poorly gra poorly con SAA	aded, fine-very fine, abundant nsolidated
D	436	1,530	Ν		-	1	SM	SILTY sa	nd, dry, light brown	n-brown, c	ohesive, low plasticity
D	436	883.5	Ν	BH03A	2	2	CCHE	E CALICHE, dry, tan-off white, well-consolidated, some silt			isolidated, some silt
D	868	1,204	Ν	BH03B	3	3	CCHE	SAA			
D	683	32.3	N	BH03C	4	4	CCHE			SAA	
							TD @ 4	4 ft bgs			

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# wsp

	PHOTOGRAPHIC LOG	
XTO ENERGY, Inc.	Pierce Canyon 17 TB	TE012920085
	Eddy County, New Mexico	

Photo No.	Date
1	January 7, 2021
Southwestern of	corner of the tank
battery contain	ment where BH03
was ac	lvanced.

Photo No.	Date	
2	January 7, 2021	and the second
Tank battery c	ontainment liner	
opening for sub	surface access to	
advanc	e BH03.	

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# wsp

	PHOTOGRAPHIC LOG	
XTO ENERGY, Inc.	Pierce Canyon 17 TB	TE012920085
	Eddy County, New Mexico	

Photo No.	Date	
3	January 7, 2021	
Drilling advan	cement at BH03.	

Photo No.	Date	
4	January 7, 2021	
Liner repair of cu	t opening at BH03.	

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Xenco

Project Id:012920085Contact:Dan Moir

Project Location: Eddy County

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## Certificate of Analysis Summary 667503

LT Environmental, Inc., Arvada, CO

Project Name: PLU PC 17 TB

 Date Received in Lab:
 Thu 07.16.2020 17:25

 Report Date:
 07.17.2020 19:13

Project Manager: Jessica Kramer

	Lab Id:	667503-0	001	667503-0	02		
Analysis Reauested	Field Id:	BH03	;	BH03A	4		
marysis Requested	Depth:	0.5- ft		2- ft			
	Matrix:	SOIL		SOIL			
	Sampled:	07.16.2020	09:23	07.16.2020	09:37		
BTEX by EPA 8021B	Extracted:	07.17.2020	10:42	07.17.2020	10:42		
	Analyzed:	07.17.2020	15:58	07.17.2020	16:20		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Benzene		< 0.0998	0.0998	< 0.0996	0.0996		
Toluene		0.467	0.399	3.00	0.398		
Ethylbenzene		1.25	0.399	5.98	0.398		
m,p-Xylenes		8.95	0.798	56.1	0.797		
o-Xylene		5.22	0.399	15.7	0.398		
Total Xylenes		14.2	0.399	71.8	0.398		
Total BTEX		15.9	0.0998	80.8	0.0996		
Chloride by EPA 300	Extracted:	07.17.2020	13:00	07.17.2020	13:00		
	Analyzed:	07.17.2020	14:57	07.17.2020	15:14		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Chloride		126	9.94	467	10.1		
TPH by SW8015 Mod	Extracted:	07.17.2020	14:30	07.17.2020	14:30		
	Analyzed:	07.17.2020	16:40	07.17.2020	16:40		
	Units/RL:	mg/kg	RL	mg/kg	RL		
Gasoline Range Hydrocarbons (GRO)		901	249	1200	249		
Diesel Range Organics (DRO)		6600	249	6880	249		
Motor Oil Range Hydrocarbons (MRO)		417	249	434	249		
Total GRO-DRO		7500	249	8080	249		
Total TPH		7920	249	8510	249		

BRL - Below Reporting Limit

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

Jession Vramer

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#### Xenco

## Analytical Report 667503

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for

## LT Environmental, Inc.

**Project Manager: Dan Moir** 

#### PLU PC 17 TB

#### 012920085

#### 07.17.2020

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

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

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

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

Xenco

07.17.2020

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

Reference: Eurofins Xenco, LLC Report No(s): 667503 PLU PC 17 TB Project Address: Eddy County

#### Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667503. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667503 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

fession kenner

Jessica Kramer Project Manager

A Small Business and Minority Company

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

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## Sample Cross Reference 667503

PLU PC 17 TB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH03	S	07.16.2020 09:23	0.5 ft	667503-001
BH03A	S	07.16.2020 09:37	2 ft	667503-002

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## **CASE NARRATIVE**

Client Name: LT Environmental, Inc. Project Name: PLU PC 17 TB

 Project ID:
 012920085

 Work Order Number(s):
 667503

Report Date:07.17.2020Date Received:07.16.2020

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

## **Certificate of Analytical Results 667503**

#### LT Environmental, Inc., Arvada, CO PLU PC 17 TB

Sample Id:BH03Lab Sample Id:667503-001			Matrix Date C	: So collected: 07	il .16.2020 09:23		Date Received:07.16.2020 17:25 Sample Depth: 0.5 ft			
Analytical Meth	nod: Chloride by EPA	300					Prep Method: E3	800P		
Tech:	MAB						% Moisture:			
Analyst:	MAB		Date P	rep: 07	.17.2020 13:00		Basis: W	et Weight		
Seq Number:	3132011			1						
Parameter		Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil	
Chloride		16887-00-6	126	9.94		mg/kg	07.17.2020 14:57		1	
Analytical Meth Tech: I Analyst: I Seq Number: I	nod: TPH by SW8015 DTH DTH 3132010	5 Mod	Date P	rep: 07	17.2020 14:30		Prep Method: SW % Moisture: Basis: W	W8015P et Weight		
Parameter		Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil	
Gasoline Range H	lydrocarbons (GRO)	PHC610	901	249		mg/kg	07.17.2020 16:40		5	
Diesel Range Org	anics (DRO)	C10C28DRO	6600	249		mg/kg	07.17.2020 16:40		5	
Motor Oil Range Hy	vdrocarbons (MRO)	PHCG2835	417	249		mg/kg	07.17.2020 16:40		5	
Total GRO-DRO		PHC628	7500	249		mg/kg	07.17.2020 16:40		5	
Total TPH		PHC635	7920	249		mg/kg	07.17.2020 16:40		5	
Surrogate			Cas Number	% Recovery	units	Limits	Analysis Date	e Flag		
1-Chloroocta	ine		111-85-3	135	%	70-135	07.17.2020 16:4	40		
o-Terphenyl			84-15-1	105	%	70-135	07.17.2020 16:4	40		

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## **Certificate of Analytical Results 667503**

#### LT Environmental, Inc., Arvada, CO PLU PC 17 TB

Sample Id:	BH03		Matrix:	Soil	Date Receive	d:07.16.2020 17:25		
Lab Sample Io	d: 667503-001		Date Collected	1:07.16.2020 09:23	Sample Depth: 0.5 ft			
Analytical Me	ethod: BTEX by EPA 802	1B			Prep Method:	SW5035A		
Tech:	MAB				% Moisture:			
Analyst:	MAB		Date Prep:	07.17.2020 10:42	Basis:	Wet Weight		
Seq Number:	3132013							
Donomotor		Cas Number	Docult DI	TT */	4 . I		<b>D</b> :	

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.0998	0.0998		mg/kg	07.17.2020 15:58	U	200
Toluene	108-88-3	0.467	0.399		mg/kg	07.17.2020 15:58		200
Ethylbenzene	100-41-4	1.25	0.399		mg/kg	07.17.2020 15:58		200
m,p-Xylenes	179601-23-1	8.95	0.798		mg/kg	07.17.2020 15:58		200
o-Xylene	95-47-6	5.22	0.399		mg/kg	07.17.2020 15:58		200
Total Xylenes	1330-20-7	14.2	0.399		mg/kg	07.17.2020 15:58		200
Total BTEX		15.9	0.0998		mg/kg	07.17.2020 15:58		200
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	95	%	70-130	07.17.2020 15:58		
4-Bromofluorobenzene		460-00-4	105	%	70-130	07.17.2020 15:58		

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## **Certificate of Analytical Results 667503**

#### LT Environmental, Inc., Arvada, CO PLU PC 17 TB

Sample Id: BH03A	Matrix	: Soil			Date Received:07.16.2020 17:25				
Lab Sample Id: 667503-002		Date C	ollected: 07.1	6.2020 09:37		Sample Depth: 2 ft			
Analytical Method: Chloride by EPA	A 300					Prep Method: E3	00P		
Tech: MAB						% Moisture:			
Analyst: MAB		Date P	rep: 07.1	7.2020 13:00		Basis: We	et Weight		
Seq Number: 3132011									
Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil	
Chloride	16887-00-6	467	10.1		mg/kg	07.17.2020 15:14		1	
Analytical Method: TPH by SW801: Tech: DTH Analyst: DTH Seq Number: 3132010	5 Mod	Date P	rep: 07.1	7.2020 14:30		Prep Method: SW % Moisture: Basis: We	/8015P et Weight		
Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil	
Gasoline Range Hydrocarbons (GRO)	PHC610	1200	249		mg/kg	07.17.2020 16:40		5	
Diesel Range Organics (DRO)	C10C28DRO	6880	249		mg/kg	07.17.2020 16:40		5	
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	434	249		mg/kg	07.17.2020 16:40		5	
Total GRO-DRO	PHC628	8080	249		mg/kg	07.17.2020 16:40		5	
Total TPH	PHC635	8510	249		mg/kg	07.17.2020 16:40		5	
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag		
1-Chlorooctane		111-85-3	132	%	70-135	07.17.2020 16:4	0		
o-Terphenyl		84-15-1	103	%	70-135	07.17.2020 16:4	0		

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## **Certificate of Analytical Results 667503**

#### LT Environmental, Inc., Arvada, CO PLU PC 17 TB

Sample Id:	BH03A		Matrix:	Soil	Date Receive	ed:07.16.2020 17:2	25	
Lab Sample I	d: 667503-002		Date Collected	1: 07.16.2020 09:37	Sample Depth: 2 ft			
Analytical Me	ethod: BTEX by EPA 802	1B			Prep Method	: SW5035A		
Tech:	MAB				% Moisture:			
Analyst:	MAB		Date Prep:	07.17.2020 10:42	Basis:	Wet Weight		
Seq Number:	3132013							
Paramotor		Cas Number	Result DI		Unita Analysia	Data Elag	ы	

Parameter	Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0996	0.0996		mg/kg	07.17.2020 16:20	U	200
Toluene	108-88-3	3.00	0.398		mg/kg	07.17.2020 16:20		200
Ethylbenzene	100-41-4	5.98	0.398		mg/kg	07.17.2020 16:20		200
m,p-Xylenes	179601-23-1	56.1	0.797		mg/kg	07.17.2020 16:20		200
o-Xylene	95-47-6	15.7	0.398		mg/kg	07.17.2020 16:20		200
Total Xylenes	1330-20-7	71.8	0.398		mg/kg	07.17.2020 16:20		200
Total BTEX		80.8	0.0996		mg/kg	07.17.2020 16:20		200
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	117	%	70-130	07.17.2020 16:20		
1,4-Difluorobenzene		540-36-3	96	%	70-130	07.17.2020 16:20		

## **Flagging Criteria**

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

\*\* Surrogate recovered outside laboratory control limit.

BRL	Below Reporting Limit.	ND Not Detected.			
RL	Reporting Limit				
MDL	Method Detection Limit	SDL Sample Det	ection Limit	LOD Limit of Detection	
PQL	Practical Quantitation Limit	MQL Method Qua	antitation Limit	LOQ Limit of Quantitation	n
DL	Method Detection Limit				
NC	Non-Calculable				
SMP	Client Sample		BLK	Method Blank	
BKS/I	LCS Blank Spike/Laboratory	Control Sample	BKSD/LCSD	Blank Spike Duplicate/Labor	ratory Control Sample Duplicate
MD/S	<b>D</b> Method Duplicate/Samp	le Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate
+ NE	LAC certification not offered	for this compound.			

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

#### Received by OCD: 2/18/2021 11:21:25 AM 🔅 eurofins

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#### LT Environmental, Inc. PLU PC 17 TB

<b>Analytical Method:</b> Seq Number: MB Sample Id:	<b>Chloride I</b> 3132011 7707602-1	<b>9 EPA 3</b>	)0	LCS Sar	Matrix: nple Id:	Solid 7707602-	1-BKS	Prep Method: E300P Date Prep: 07.17.2020 LCSD Sample Id: 7707602-1-BSD				0P 17.2020 7602-1-BSD	
Parameter		MB Bogult	Spike	LCS Posult		LCSD	LCSD	Limits	%RPD	RPD Limit	Units	Analysis	Flag
Chloride		<10.0	250 Amount	255	% <b>кес</b> 102	266	% <b>Rec</b> 106	90-110	4	20	mg/kg	07.17.2020 14:46	
Analytical Method: Seq Number: Parent Sample Id:	<b>Chloride I</b> 3132011 667503-00	oy EPA 3(	)0	MS Sar	Matrix: nple Id:	Soil 667503-0	01 S		Pi	rep Meth Date Pr D Sampl	od: E30 rep: 07.1 e Id: 667	0P 17.2020 503-001 SD	
Parameter		Parent	Spike	MS	MS	MSD	MSD	Limits	%RPD	RPD	Units	Analysis	Flag
Chloride		Result 126	Amount 200	<b>Result</b> 335	% <b>Rec</b> 105	Result 330	<b>%Rec</b> 102	90-110	2	20	mg/kg	07.17.2020 15:03	
<b>Analytical Method:</b> Seq Number: MB Sample Id:	<b>TPH by S</b> 3132010 7707598-1	<b>W8015 M</b> -BLK	od	LCS Sar	Matrix: nple Id:	Solid 7707598-	1-BKS		P	rep Meth Date Pr D Sample	od: SW rep: 07.1 e Id: 770	8015P 17.2020 7598-1-BSD	
Parameter		MB	Spike	LCS	LCS	LCSD	LCSD	Limits	%RPD	RPD	Units	Analysis	Flag
Gasoline Range Hydrocarbo	ons (GRO)	Result	Amount	Result	% <b>Rec</b>	Result	%Rec	70-135	1	Limit 35	ma/ka	Date 07.17.2020 14:31	U
Diesel Range Organics (	DRO)	<50.0	1000	1150	115	1130	113	70-135	2	35	mg/kg	07.17.2020 14:31	
Surrogate		MB %Rec	MB Flag	L %	CS Rec	LCS Flag	LCSI %Re	) LCS c Flag	D Li g	imits	Units	Analysis Date	
1-Chlorooctane o-Terphenyl		114 112		1 1	24 17		125 118		70 70	-135 -135	% %	07.17.2020 14:31 07.17.2020 14:31	
Analytical Method: Seq Number:	<b>TPH by S</b> 3132010	W8015 M	od	MB San	Matrix: nple Id:	Solid 7707598-	1-BLK		P	rep Meth Date Pr	od: SW ep: 07.1	8015P 17.2020	
Parameter				MB							Units	Analysis	Flag
Motor Oil Range Hydrocart	oons (MRO)			<b>Result</b> <50.0							mg/kg	<b>Date</b> 07.17.2020 14:10	-
<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>TPH by S</b> 3132010 667506-00	W8015 M	od	MS Sar	Matrix: nple Id:	Soil 667506-0	01 S		P	rep Meth Date Pr D Sample	od: SW ep: 07.1 e Id: 667	8015P 17.2020 506-001 SD	
Parameter		Parent	Spike	MS	MS	MSD	MSD	Limits	%RPD	RPD	Units	Analysis	Flag
Gasoline Range Hydrocarbo	ons (GRO)	Result	Amount	Result	%Rec	Result	%Rec	70 125	2	Limit	ma/ka	Date	5
Diesel Range Organics (	DRO)	<50.0	999 999	1020	92 102	1050	105	70-135	3	35	mg/kg	07.17.2020 15:34	
Surrogate				N %	IS Rec	MS Flag	MSD %Re	o MSI c Flag	) Li g	imits	Units	Analysis Date	
1-Chlorooctane				1	18		122		70	-135	%	07.17.2020 15:34	
o-Terphenyl				1	08		110		70	-135	%	07.17.2020 15:34	
MS/MSD Percent Recover Relative Percent Differenc LCS/LCSD Recovery Log Difference	y [ e F [ I	D] = 100*(C PD = 200*   D] = 100 * ( Log Diff. = Lo	-A) / B (C-E) / (C+E) C) / [B] og(Sample Du	 plicate) - Log	(Original )	Sample)	Lu A C E	CS = Labora = Parent R = MS/LCS = MSD/LC	atory Contro esult S Result CSD Result	ol Sample	MS = I $B = SI$ $D = MI$	Matrix Spike pike Added SD/LCSD % Rec	

#### Released to Imaging: 7/6/2021 2:04:41 PM

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.

#### QC Summary 667503

Seurofins Xenco

#### **LT Environmental, Inc.** PLU PC 17 TB

Analytical Method:	BTEX by EPA 8021B							P	rep Meth	od: SW	5035A	
Seq Number:	3132013		I	Matrix:	Solid				Date Pr	ep: 07.1	7.2020	
MB Sample Id:	7707605-1-BLK		LCS San	ple Id:	7707605-1	I-BKS		LCS	D Sample	e Id: 770	7605-1-BSD	
Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.100	0.112	112	0.118	118	70-130	5	35	mg/kg	07.17.2020 11:38	
Toluene	< 0.00200	0.100	0.108	108	0.114	114	70-130	5	35	mg/kg	07.17.2020 11:38	
Ethylbenzene	< 0.00200	0.100	0.103	103	0.109	109	71-129	6	35	mg/kg	07.17.2020 11:38	
m,p-Xylenes	< 0.00400	0.200	0.209	105	0.220	110	70-135	5	35	mg/kg	07.17.2020 11:38	
o-Xylene	< 0.00200	0.100	0.101	101	0.107	107	71-133	6	35	mg/kg	07.17.2020 11:38	
Surrogate	MB %Rec	MB Flag	L0 %1	CS Rec	LCS Flag	LCSD %Rec	D LCSI 2 Flag	D Li g	imits	Units	Analysis Date	
1,4-Difluorobenzene	98		9	9		100		70	-130	%	07.17.2020 11:38	
4-Bromofluorobenzene	99		9	8		102		70	-130	%	07.17.2020 11:38	

<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>BTEX by EPA 8021</b> 3132013 667506-001	B	Matrix: Soil MS Sample Id: 667506-00			01 S		P: MS	Prep Method:         SW5035A           Date Prep:         07.17.2020           MSD Sample Id:         667506-001 SD			
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00200	0.0998	0.125	125	0.121	121	70-130	3	35	mg/kg	07.17.2020 12:21	
Toluene	< 0.00200	0.0998	0.118	118	0.113	113	70-130	4	35	mg/kg	07.17.2020 12:21	
Ethylbenzene	< 0.00200	0.0998	0.110	110	0.105	105	71-129	5	35	mg/kg	07.17.2020 12:21	
m,p-Xylenes	< 0.00399	0.200	0.222	111	0.212	106	70-135	5	35	mg/kg	07.17.2020 12:21	
o-Xylene	< 0.00200	0.0998	0.108	108	0.103	103	71-133	5	35	mg/kg	07.17.2020 12:21	
Surrogate			N %]	1S Rec	MS Flag	MSD %Re	) MSI c Flag	) L g	imits	Units	Analysis Date	
1,4-Difluorobenzene			1	00		99		70	-130	%	07.17.2020 12:21	
4-Bromofluorobenzene			1	03		98		70	-130	%	07.17.2020 12:21	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $LCS = Laboratory \ Control \ Sample \\ A = Parent \ Result \\ C = MS/LCS \ Result \\ E = MSD/LCSD \ Result$ 

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

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1/16/20 17:25 2	ningu/shed/by:/(Signature) Received by: (Signature) Date/Time Relinguis	tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco. Its affiliates and subcontractor service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses Xeoco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be	Total 200.7 / 6010       200.8 / 6020:       8RCRA       13PPM       Texas 11       Al       Sb       As       Ba       Be       Cd       Ca       C         Circle Method(s) and Metal(s) to be analyzed       TCLP / SPLP 6010:       8RCRA       Sb       As       Ba       Be       Cd       Cr       Circle       No       No       Sb       As       Ba       Cd       Cr       Circle       No       No       Sb       As       Ba       Cd       Cr       Circle       No       No       Sb       As       Ba       Cd       Cr       Circle       No       No		BHOSA S 1/16/20 0937 2' 1 X X X	Sample Identification     Matrix     Date     Time     Depth     E     B     F     C       Ruho 2     C     1/16/20     CG72     C.S.I     I     V     X     I	Cooler Custody Seals:     Yes     N/A     Correction Factor:     -O. X       Sample Custody Seals:     Yes     N/A     Total Containers:     2     of	Implementation     Model     Temperature (°C):     A.O. / * 8     Thermometer ID       Received Intact:     I/G     No     Thermometer ID	PO# Quote#	Sampler's Name: Early COUNTY Rush: 24 hrs	Project Number: 012920085 Routine Code	Project Name: DLU PC ITTS Turn Around Pres	Phone: (432) 236-3849 Email: Femithaltenv.com, dmi	city, state ZIP: Midland, TX 79705 City, State ZIP: Carlsbad NMS	Address: 3300 North & Stront Address: 3104 F Groop C	Company Name: IT Environmental Inc Own on Pick Company Name: XTO Energy (ALTER)	Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-3800 Tampa, FL (813) 620-2000 Wes	Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Revised Date 02	hed by: (Signature) Received by: (Signature) Date/T	<ul> <li>It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.</li> </ul>	r Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn 0 Mn Mo Ni Se Ag Ti U 1631/245.1/7470 /74:			Sample Commo	TAT starts the day received by 4:00p	HCL: HL NaOH: Na Zn Acetate+ NaOH: Zn	H2S04: H2	None: NO HNO3: HN	MeOH: Me	NALYSIS REQUEST Preservative Co	CO (Hony conh Deliverables: EDD L ADaPT L Other:	Reporting:Level II Level III PST/UST TRRP Level	State of Project:	Program: UST/PST PRP Brownfields RRC Superf	Work Order Comments	(210) 509-3334 Crasbad, NM (432) 704-5440 Difference of the control of the contro

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012920085

Dan Moir

Eddy County

Project Id:

**Project Location:** 

**Contact:** 

## Certificate of Analysis Summary 667955

LT Environmental, Inc., Arvada, CO

Project Name: PLU PC 17 TB

 Date Received in Lab:
 Wed 07.22.2020 16:32

 Report Date:
 07.23.2020 13:24

 Project Manager:
 Jessica Kramer

	Lab Id:	667955-001				
Analysis Requested	Field Id:	BH03B				
Analysis Kequestea	Depth:	3- ft				
	Matrix:	SOIL				
	Sampled:	07.17.2020 08:3	36			
BTEX by EPA 8021B	Extracted:	07.22.2020 17:0	00			
	Analyzed:	07.22.2020 22:	17			
	Units/RL:	mg/kg	RL			
Benzene		<0.00500 0.0	00500			
Toluene		0.441 0.	.0200			
Ethylbenzene		0.432 0.	.0200			
m,p-Xylenes		6.12 0.	.0400			
o-Xylene		1.79 0.	.0200			
Total Xylenes		7.91 0.	.0200			
Total BTEX		8.78 0.0	00500			
Chloride by EPA 300	Extracted:	07.22.2020 17:	54			
	Analyzed:	07.23.2020 05:2	29			
	Units/RL:	mg/kg	RL			
Chloride		462	9.96			
TPH by SW8015 Mod	Extracted:	07.22.2020 16:	50			
	Analyzed:	07.22.2020 19:2	20			
	Units/RL:	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		571	50.2			
Diesel Range Organics (DRO)		4250	50.2			
Motor Oil Range Hydrocarbons (MRO)		228	50.2			
Total GRO-DRO		4820	50.2			
Total TPH		5050	50.2			

BRL - Below Reporting Limit

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

Jession Vramer

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## Analytical Report 667955

for

## LT Environmental, Inc.

**Project Manager: Dan Moir** 

#### PLU PC 17 TB

#### 012920085

#### 07.23.2020

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

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

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

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

eurofins Environment Testing Xenco

07.23.2020

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

Reference: Eurofins Xenco, LLC Report No(s): 667955 PLU PC 17 TB Project Address: Eddy County

#### Dan Moir:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667955. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667955 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

fession kenner

Jessica Kramer Project Manager

A Small Business and Minority Company

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

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## Sample Cross Reference 667955

### LT Environmental, Inc., Arvada, CO

PLU PC 17 TB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH03B	S	07.17.2020 08:36	3 ft	667955-001

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## **CASE NARRATIVE**

Client Name: LT Environmental, Inc. Project Name: PLU PC 17 TB

 Project ID:
 012920085

 Work Order Number(s):
 667955

Report Date: 07.23.2020 Date Received: 07.22.2020

#### Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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## **Certificate of Analytical Results 667955**

#### LT Environmental, Inc., Arvada, CO PLU PC 17 TB

Sample Id:	BH03B		Matrix	: Soil	1		Date Received:07.2	2.2020 16	:32
Lab Sample Id	: 667955-001		Date C	ollected: 07.1	17.2020 08:36		Sample Depth: 3 ft		
Analytical Met	hod: Chloride by EPA	A 300					Prep Method: E30	0P	
Tech:	MAB						% Moisture:		
Analyst:	MAB		Date P	rep: 07.2	22.2020 17:54		Basis: Wet	Weight	
Seq Number:	3132399								
Parameter		Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	462	9.96		mg/kg	07.23.2020 05:29		1
Analytical Met Tech: Analyst: Seq Number:	hod: TPH by SW801 DTH DTH 3132405	5 Mod	Date P	rep: 07.2	22.2020 16:50		Prep Method: SW % Moisture: Basis: Wet	8015P Weight	
Parameter		Cas Number	r Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range l	Hydrocarbons (GRO)	PHC610	571	50.2		mg/kg	07.22.2020 19:20		1
Diesel Range Org	ganics (DRO)	C10C28DRO	4250	50.2		mg/kg	07.22.2020 19:20		1
Motor Oil Range H	lydrocarbons (MRO)	PHCG2835	228	50.2		mg/kg	07.22.2020 19:20		1
Total GRO-DRO	)	PHC628	4820	50.2		mg/kg	07.22.2020 19:20		1
Total TPH		PHC635	5050	50.2		mg/kg	07.22.2020 19:20		1
Surrogate			Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooct	ane		111-85-3	125	%	70-135	07.22.2020 19:20	ł	
o-Terphenyl	1		84-15-1	112	%	70-135	07.22.2020 19:20	)	

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#### Xenco

## **Certificate of Analytical Results 667955**

#### LT Environmental, Inc., Arvada, CO PLU PC 17 TB

Sample Id:	BH03B		Matrix:	Soil	Date Receive	d:07.22.2020 16	:32
Lab Sample I	d: 667955-001		Date Collected	1:07.17.2020 08:36	Sample Dept	h: 3 ft	
Analytical Me	ethod: BTEX by EPA 802	21B			Prep Method	: SW5035A	
Tech:	MAB				% Moisture:		
Analyst:	MAB		Date Prep:	07.22.2020 17:00	Basis:	Wet Weight	
Seq Number:	3132403						
Paramotor		Cas Number	Result DI		Unita Analysia F	ata Elag	D:I

Parameter	Cas Numbe	r Kesun	KL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00500	0.00500		mg/kg	07.22.2020 22:17	U	1
Toluene	108-88-3	0.441	0.0200		mg/kg	07.22.2020 22:17		1
Ethylbenzene	100-41-4	0.432	0.0200		mg/kg	07.22.2020 22:17		1
m,p-Xylenes	179601-23-1	6.12	0.0400		mg/kg	07.22.2020 22:17		1
o-Xylene	95-47-6	1.79	0.0200		mg/kg	07.22.2020 22:17		1
Total Xylenes	1330-20-7	7.91	0.0200		mg/kg	07.22.2020 22:17		1
Total BTEX		8.78	0.00500		mg/kg	07.22.2020 22:17		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	130	%	70-130	07.22.2020 22:17		
1,4-Difluorobenzene		540-36-3	96	%	70-130	07.22.2020 22:17		

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## **Flagging Criteria**

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

\*\* Surrogate recovered outside laboratory control limit.

BRL	Below Reporting Limit.	ND Not Detected.			
RL	Reporting Limit				
MDL	Method Detection Limit	SDL Sample Det	ection Limit	LOD Limit of Detection	
PQL	Practical Quantitation Limit	MQL Method Qua	antitation Limit	LOQ Limit of Quantitation	n
DL	Method Detection Limit				
NC	Non-Calculable				
SMP	Client Sample		BLK	Method Blank	
BKS/	LCS Blank Spike/Laboratory	Control Sample	BKSD/LCSD	Blank Spike Duplicate/Labor	catory Control Sample Duplicate
MD/S	<b>D</b> Method Duplicate/Samp	le Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate
+ NE	ELAC certification not offered	for this compound.			

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

Xenco

**Environment Testing** 

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QC Summary 667955

#### **LT Environmental, Inc.** PLU PC 17 TB

Analytical Method:Chloride by EPA 300Seq Number:3132399MB Sample Id:7707895-1-BLKLCS Sample Id:7707895-1-BKS

Prep Method: E300P Date Prep: 07.22.2020 LCSD Sample Id: 7707895-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	261	104	269	108	90-110	3	20	mg/kg	07.23.2020 02:58	

Analytical Method:	Chloride by	EPA 30	0						Pr	ep Metho	d: E30	0P	
Seq Number:	3132399			Ν	Matrix:	Soil				Date Pre	ep: 07.2	2.2020	
Parent Sample Id:	667904-050			MS Sam	ple Id:	667904-05	0 S		MSI	O Sample	Id: 667	904-050 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride		7470	201	7680	104	7670	101	90-110	0	20	mg/kg	07.23.2020 03:15	

<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>Chloride by EPA 30</b> 3132399 667904-060	0	] MS San	Matrix: nple Id:	Soil 667904-06	50 S		Pr MSI	ep Metho Date Pre O Sample	d: E30 p: 07.2 Id: 667	0P 22.2020 904-060 SD	
Parameter Chloride	Parent Result 129	Spike Amount 200	MS Result 338	MS %Rec 105	MSD Result 338	<b>MSD</b> %Rec 105	<b>Limits</b> 90-110	<b>%RPD</b> 0	RPD Limit 20	<b>Units</b> mg/kg	<b>Analysis</b> <b>Date</b> 07.23.2020 04:33	Flag

Analytical Method: Seq Number: MB Sample Id:	<b>TPH by SV</b> 3132405 7707899-1-	<b>W8015 M</b> 0 -BLK	bd	Matrix: Solid LCS Sample Id: 7707899-1-BKS					Prep Method: SW8015P Date Prep: 07.22.2020 LCSD Sample Id: 7707899-1-BSD					
Parameter		MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag	
Gasoline Range Hydrocarbo	ns (GRO)	<50.0	1000	935	94	1010	101	70-135	8	35	mg/kg	07.22.2020 10:11		
Diesel Range Organics (I	DRO)	<50.0	1000	1040	104	1120	112	70-135	7	35	mg/kg	07.22.2020 10:11		
Surrogate		MB %Rec	MB Flag	L( %]	CS Rec	LCS Flag	LCSE %Ree	) LCSI 2 Flag	D Li ;	mits	Units	Analysis Date		
1-Chlorooctane		108		1	22		126		70	-135	%	07.22.2020 10:11		
o-Terphenyl		109		1	10		118		70	-135	%	07.22.2020 10:11		

<b>Analytical Method:</b> Seq Number:	<b>TPH by SW8015 Mod</b> 3132405	Matrix: MB Sample Id:	Solid 7707899-1-BLK	Prep Method: Date Prep:	SW8 07.2	8015P 2.2020	
Parameter		MB Result		τ	J <b>nits</b>	Analysis Date	Flag
Motor Oil Range Hydrocarb	oons (MRO)	<50.0		m	1g/kg	07.22.2020 09:50	

MS/MSD Percent Recovery Relative Percent Difference LCS/LCSD Recovery Log Difference  $\label{eq:c-A} \begin{array}{l} [D] = 100^{*}(C\text{-A}) \ / \ B \\ RPD = 200^{*} \ | \ (C\text{-E}) \ / \ (C\text{+E}) \ | \\ [D] = 100^{*} \ (C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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

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

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#### Released to Imaging: 7/6/2021 2:04:41 PM

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**QC Summary** 667955

Prep Method: SW8015P

#### LT Environmental, Inc. PLU PC 17 TB

**Environment Testing** 

Seq Number:	3132405			1	Matrix:	Soil				Date Pro	ep: 07.2	2.2020	
Parent Sample Id:	667902-007			MS San	ple Id:	667902-00	667902-007 S		MSD Sample Id: 667902-007 SD			902-007 SD	
Parameter		Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbo	ons (GRO)	< 50.0	1000	863	86	878	88	70-135	2	35	mg/kg	07.22.2020 14:42	
Diesel Range Organics (	DRO)	<50.0	1000	978	98	959	96	70-135	2	35	mg/kg	07.22.2020 14:42	
Surrogate				M %I	IS Rec	MS Flag	MSD %Re	o MSD c Flag	) Li	imits	Units	Analysis Date	
1-Chlorooctane				11	15		117		70	-135	%	07.22.2020 14:42	
o-Terphenyl				11	10		105		70	-135	%	07.22.2020 14:42	

Analytical Method:	BTEX by EPA 8021	B						P	rep Meth	od: SW	5035A	
Seq Number:	3132403			Matrix:	Solid				Date Pr	ep: 07.2	22.2020	
MB Sample Id:	7707875-1-BLK		LCS Sar	nple Id:	7707875-	1-BKS		LCS	D Sample	e Id: 770	7875-1-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	0.115	115	0.122	122	70-130	6	35	mg/kg	07.22.2020 15:28	
Toluene	< 0.00200	0.100	0.110	110	0.116	116	70-130	5	35	mg/kg	07.22.2020 15:28	
Ethylbenzene	< 0.00200	0.100	0.102	102	0.108	108	71-129	6	35	mg/kg	07.22.2020 15:28	
m,p-Xylenes	< 0.00400	0.200	0.206	103	0.218	109	70-135	6	35	mg/kg	07.22.2020 15:28	
o-Xylene	< 0.00200	0.100	0.102	102	0.108	108	71-133	6	35	mg/kg	07.22.2020 15:28	
Surrogate	MB %Rec	MB Flag	L %	CS Rec	LCS Flag	LCSI %Re	D LCSI c Flag	D Li	imits	Units	Analysis Date	
1,4-Difluorobenzene	101		1	00		100	)	70	-130	%	07.22.2020 15:28	
4-Bromofluorobenzene	103		1	02		102	2	70	-130	%	07.22.2020 15:28	

<b>Analytical Method:</b>	Method: BTEX by EPA 8021B							Pi	rep Meth	od: SW	5035A	
Seq Number:	3132403			Matrix:	Soil				Date Pr	ep: 07.2	22.2020	
Parent Sample Id:	667902-007		MS Sample Id: 667902-007 S		07 S	MSD Samp		D Sampl	le Id: 667902-007 SD			
Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	< 0.00199	0.0996	0.125	126	0.113	113	70-130	10	35	mg/kg	07.22.2020 16:32	
Toluene	< 0.00199	0.0996	0.117	117	0.106	106	70-130	10	35	mg/kg	07.22.2020 16:32	
Ethylbenzene	< 0.00199	0.0996	0.110	110	0.0989	99	71-129	11	35	mg/kg	07.22.2020 16:32	
m,p-Xylenes	< 0.00398	0.199	0.224	113	0.200	101	70-135	11	35	mg/kg	07.22.2020 16:32	
o-Xylene	< 0.00199	0.0996	0.110	110	0.0985	99	71-133	11	35	mg/kg	07.22.2020 16:32	
Surrogate			N %	IS Rec	MS Flag	MSE %Re	) MSE c Flag	) Li g	imits	Units	Analysis Date	
1,4-Difluorobenzene			ç	99		98		70	-130	%	07.22.2020 16:32	

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

4-Bromofluorobenzene

[D] = 100\*(C-A) / B $\begin{array}{l} \text{[D]} & = 100 \ \text{(C-E)} \ / \ (\text{C+E)} \ | \\ \text{[D]} & = 100 \ \text{*} \ (\text{C}) \ / \ [\text{B]} \\ \text{Log Diff.} & = \text{Log(Sample Duplicate)} \ \text{-} \ \text{Log(Original Sample)} \end{array}$  LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result

100

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

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07.22.2020 16:32

Page 10 of 12

103

70-130

%

				0			by C	
				4			<b>CD</b>	
	Pater Lille	(a		7/22/20 110:32/2	2 Cllh	ary 11 (0	: 21	
	Dato/Timo	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Kelinquished by: (Signature)	18/	
		and the control gotiated.	t if such losses are due to circumstances beyo terms will be enforced unless previously ne	losses or expenses incurred by the client bmitted to Xenco, but not analyzed. Thes	s and shall not assume any responsibility for any ach project and a charge of \$5 for each sample su	of Jenco. A minimum charge of \$75.00 will be applied to	2021	
Chain of Custody     With Order Custody       Project Name     Dan Chain       Project Name     Dana       Name     Dana       <		nd conditions	subcontractors. It assigns standard terms a	lient company to Xenco, its affiliates and	samples constitutes a valid purchase order from c	Notice: Signature of this document and relinquishment of of service. Xenco will be liable only for the cost of constru-	11	
Chain of Custody     Work Order Custody       Non-Company Name     Dan Million       Project Name     Can Million       Name	3n U V Zn 5.1/7470 /7471 : Hc	Mn Mo Ni K Se Ag SiO2 Na Sr TI S TI U 1631/24	Cd Ca Cr Co Cu Fe Pb Mg Co Cu Pb Mn Mo Ni Se Ag	RCRA Sb As Ba Be Cd Cr	8RCRA 13PPM 1 nalyzed TCLP / SPLP 6010: 8	Circle Method(s) and Metal(s) to be a	1: <del>21:2</del>	
Mathematical Science     Chain of Custody     Work Order No:     Util 1990       Image: None NC PD and DE AT DE RES     None NC PD and Deam NC PD and DE DED Boan NC PD				7			5 4	
Chain of Custody     Non Transmission     Non Transmissin Transmission     Non Transmission     Non Tra							M-	
Chain of Custody     Work Order No:     L 2 9 000       Mathematic Report Dear AT CREE     Numeric Report Dear AT CREE     Nun						,	T	
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Non-X       Chain of Custoy       Non-X					2			
Non-With Control     Non-With Control <td></td> <td></td> <td></td> <td></td> <td></td> <td>Jata</td> <td>Τ</td>						Jata	Τ	
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Mark No.200       Chain of Custody       Work order N::       Util 1995         Project Manager:       Don Month       Non-Company Name:       Thomson Manager:       Thomson Manager:       Don Month       Non-Company Name:       Thomson Manager:       Thomson Manager:       Non-Company Name:       Thomson Manager:       Thomson Manager:       Thomson Manager:       Non-Company Name:       Non-Company Name:       Thomson Manager:       Non-Company Name:       Non-Company Name       Non-Company Name       Non							F	
Project Namyer:       Chain of Custody       Work Order No:       U					S 000- 03/11/1			
Chain of Custody         Notice Name:       Chain of Custody         Notice Name:       Chain of Custody         Project Manager:       Dan main:       Notice Name:       Chain of Custody         Project Manager:       Dan main:       Notice Name:       Classes:       Or North A cattor of the main:       Notice Company Name:       Classes:       Or North A cattor of the main:       Notice Company Name:       Classes:       Or North A cattor of the main:       Notice Company Name:       Classes:       Or North A cattor of the main:       Notice Company Name:       Classes:       Or North A cattor of the main:       Notice Company Name:       Classes:       Or North A cattor of the main:       North Cattor of the main: <th c<="" td=""><td>Sample Comments</td><td></td><td></td><td></td><td>Sampled Sampled Deput</td><td>RHORR</td><td>E</td></th>	<td>Sample Comments</td> <td></td> <td></td> <td></td> <td>Sampled Sampled Deput</td> <td>RHORR</td> <td>E</td>	Sample Comments				Sampled Sampled Deput	RHORR	E
Chain of Custody       Chain of Custody       Work order No:       U <th<< td=""><td>received by 4:00pm</td><td></td><td></td><td></td><td>riv Date Time</td><td>Sample Identification Mai</td><td>1</td></th<<>	received by 4:00pm				riv Date Time	Sample Identification Mai	1	
Chain of Custody       Work Order No: UE 1955         Chain of Custody       Work Order No: UE 1955         None NY 1979 385-340       Mean X 107 104-200       Same NY 1979 385-340       Work Order No: UE 1955         Project Manager: Dan Mourt X (20) 705-540       EnsenXX (20) 705-540       EnsenXX (20) 705-540       Project Manager: Dan Mourt X (20) 705-540       Project Manager: Dan Mourt X (20) 705-540       EnsenXX (20) 705-540       Project Manager: Dan Mourt X (20) 705-640       Project Manager: Project Manager: Dan Mourt X (20) 705-760       Project Manager: Dan Mourt X (20) 705-760       Project Manager: Project Manager: Dan Mourt X (20) 705-760       Project Manager: Project Manager: Project Manager: Project Manager: Dan Mourt	larts the day recevied by th	TAT st		(   X (	A Total Containers: (	Sample Custody Seals: Yes No N		
More of Custory       Chain of Custory       Work Order No:       L L 1 12         Project Manage       Dan Month       Company Mane       T E AN LICAMONOLIA       Company Mane       T C E AN LICAMONOLIA       Nonexit (281) 244200       Datas X7 (281) 284200       <	etate+ NaOH: Zn	Zn Ac		Cont EP, EI	A Correction Factor:	Cooler Custody Seals: Yes No N		
Chain of Custody       Work Order No: (# # 9 (%)         Note of Custody       Work Order No: (# # 9 (%)         Note of Custody       Work Order No: (# # 9 (%)         Project Manager: Dan mour       Bitestin (# 81) 20-200 Balas X1 (# 19) 2	1: Na	NaOH		A PA (E	Thermometer I	Received Intact: Yes No		
Chain of Custody       Work Order No:	HL	HCL:		ers 80 0	Thermometer ID	Temperature (°C): (,10) (,4		
More of a log of	)4: H2	H2S0			inter the second	SAMPLE RECEIPT Temp BI		
Chain of Custody       Work Order No: (1 - 90)         Project Manager:       Chain of Custody       Work Order No: (1 - 90)         Project Manager:       Con mour       Buesion TX (281) 240-200 Dallas, TX (281) 992-2000 San Anzono, TX (210) 509-333       Work Order No: (1 - 90)         Project Manager:       Con mour       Buesion TX (281) 240-200 Dallas, TX (281) 992-2000 San Anzono, TX (210) 509-333       Work Order No: (1 - 90)         Project Manager:       Con mour       Buesion TX (281) 240-200 Dallas, TX (281) 992-2000 San Anzono, TX (280) 794-280       Buesion, TX (281) 240-2000 Dallas, TX (281) 992-2000 West Pain Beach, FL (801) 984-280       Project Manager:       On On One       Project Manager:       Con Uncommon the Lowed IX (980) 584-340       Project Manager:       On On One       Project Manager:       One Trans. TX (281) 982-340       Project Manager:       One Trans. TX (280) 385-340       Project Manager:       One Trans. TX (280) 385-340       Project Manager:       Project Manager:       One Trans. TX (280) 982-340       Work Order Comments         Project Manager:       One Trans. TX FTD En Ord Order Commenents       Project Manager:	3: HN	HNO		5)	Quote #:	PO #:	-	
Chain of Custody       work order No: (1 4 4 5)         Nutline Colspan="2">Chain of Custody       work order No: (1 4 5)         Project Manager: Dan Morin, TX (281) 240-4200       balas, TX (241) 922-9300       San Antonio, TX (210) 589-333       work order No: (1 4 5)         Project Manager: Dan Morin       TE ON Contine Company Name: (1 E ON Forman All Inc, forma All Inc, forman All Inc, forman All Inc, forman All Inc, forma A	: NO	None		5 DZI D.O	Due Date:	Sampler's Name: Fatima Sm		
Chain of Custody       work order No:	H: Me	MeO		Code	Routine		T	
Chain of Custody       Work Order No: U 1965         Project Manager:       Dan Moir       Bill to: (fr different)       Work Order No: U 1965       U 1 1 10: (fr different)         Project Manager:       Dan Moir       Bill to: (fr different)       Kuland, IAC, Arron Other Ac (480) 335-090 Alanta, GA (770) 449-8000 San Antonio, TX (210) 509-3334       Work Order No: U 1965       U 1 1 10: (fr different)       Phoenix AZ (480) 335-090 Alanta, GA (770) 449-8000 Tampa, FL (81) 829-0700       Work Order No: U 1969       U 1 1 10: (fr different)       Phoenix AZ (480) 335-090 Alanta, GA (770) 449-8000 Tampa, FL (81) 829-6701       Work Order Comments         More:       U 1 1 10: (fr different)       Entert of 1       Work Order Comments         More:       U 1 10: (fr different)       K 10 C F Croordy C 1       Work Order Comments         Phone:       U 1 17 17 170 5       city, state zip: C art Isboard, NIM 282 ZO       Work Order Comments         Project:       Work Order Comments         Phone:       U 1 10 (fr different fun         Madress:       Glout I I I I I I I I I I I I I I I I I I I	Preservative Code	EST	ANALYSIS REQU	nd Pres.	Turn Arou			
Chain of Custody       Work Order No: (1 4 9 4 9 5         Chain of Custody       Work Order No: (1 4 9 4 9 5         Project Manager: On Moir       Phoenix, Z (280) 355-0900 Atlanta GA (770) 49-9800 Tampa, FL (813) 820-2000 West Palm Beach, FL (561) 888-343       Work Order No: (1 4 9 4 9 5         Project Manager: On Moir       Bill to: (If different)       KU/0 Lift vol 1       Work Order Common: Value 1, Value 2, Value 2	Other:	Deliverables: EDD ADaPT	chnoir altery con	hint alter vicon,		Broker Name Did Dr 17		
Chain of Custody       Work Order No: U 1955         Project Manager:       Dan moir       Elite to: (if different)       Kill and, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334       Work Order No: U 1955         Project Manager:       Dan moir       Fhoenix, AZ (480) 355-0900 Atlanta, GA (770) 49-8800 Tampa, FL (813) 820-2000 West Palm Beach, FL (561) 889-6701       Work Order No: U 1955         Address:       GOO, North A Gireot       Bill to: (if different)       KU Company Name:       XTO Environ       Page 1 of         Work Order Comments         Address:       GIO 4 E Gridon 2 S1       Work Order Comments         Midand, TX (430) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 820-2000 West Palm Beach, FL (561) 889-6701       Wwww.xenco.com       Page 1 of         Mork Order Comments         Address:       G3OO, North A Gireot       XTO Envergy, Inc.       Work Order Comments         Work Order Comments         State of Project:       State of Project:	TRRP Level IV	Reporting:Level II Level III PST/UST	1, NM 88220	y, State ZIP: ( 'Or 16000		Phone: (4,37) 73/0-		
Chain of Custody       Work Order No: (1 4 96)         Company Name:       Com		State of Project:	arbone St	Address: GIOH E (	TO JOSE	City State ZID: MILLING	T	
Chain of Custody       Work Order No: U 1965         Project Manager: Dan mouth       Dan mouth       Dan mouth       Midland,TX (281) 240-4200       Dallas,TX (214) 902-0300       San Antonio,TX (210) 509-3334       Work Order No: U 1965       U 1965         Project Manager: Dan mouth       Dan mouth       Dan mouth       Midland,TX (480) 355-0900       Atlanta,GA (770) 449-8800       Tampa,FL (813) 620-2000       West Palm Beach, FL (561) 689-6701       Work www.xenco.com       Page 1       of         Midland,TX (480) 355-0900       Atlanta,GA (770) 449-8800       Tampa,FL (813) 620-2000       West Palm Beach, FL (561) 689-6701       Wwww.xenco.com       Page 1       of         Work Order Comments	Is RRC Superfund	Program: UST/PST PRP Brownfield	pray, Inc.	Ipany Name: XIOEnc	WITHLING FORMON HIDE CON	Address A200 1-	-	
Chain of Custody         Work Order No:         U I I G           Midland, TX (432) 704-5440         Houston, TX (281) 240-4200         Dallas, TX (214) 902-0300         San Antonio, TX (270) 509-3334         Work Order No:         U I I G         G           Project Manager         Phoenix, AZ (480) 355-0900         Atlanta, GA (770) 449-8800         Tampa, FL (813) 620-2000         West Palm Beach, FL (561) 689-6701         WMWX xenco.com         Page 1         of	nents	Work Order Comr	trell	to: (if different) KU10	i Bill	Company Name: T E Contract		
Chain of Custody Work Order No: U 4 495 Midland, TX (432) 704-5440 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 Crasbad, NM (432) 704-5440	Page 1 of	89-6701 <u>www.xenco.com</u>	3) 620-2000 West Palm Beach, FL (561) 6	nta,GA (770) 449-8800 Tampa,FL (81;	Phoenix,AZ (480) 355-0900 Atta	Project Manager		
	Cretas	Work Order No: _	<b>Ustody</b> <sup>0</sup> San Antonio,TX (210) 509-3334 <sup>1</sup> X (806) 794-1296 Crasibad, NM (432) 704	Chain of Ct 1) 240-4200 Dallas,TX (214) 902-0300 L Paso,TX (915) 585-3443 Lubbock,T	Houston, TX (28 Midland, TX (432) 704-5440 E	LABORATOR	Page 52 o	
				-			of 60	

Released to Imaging: 7/6/2021 2:04:41 PM

Final 1.000

## **Eurofins Xenco, LLC**

## Prelogin/Nonconformance Report- Sample Log-In

Client: LT Environmental, Inc.	Acceptable Temper	ature R	ange: 0 - 6 degC
Date/ Time Received: 07.22.2020 04.32.00 PM	Air and Metal samp	les Acc	eptable Range: Ambient
Work Order #: 667955	Temperature Measu	iring de	evice used : T-NM-007
Sample Rece	eipt Checklist		Comments
#1 *Temperature of cooler(s)?	1	.4	
#2 *Shipping container in good condition?	Y	es	
#3 *Samples received on ice?	Y	es	
#4 *Custody Seals intact on shipping container/ cooler?	Y	es	
#5 Custody Seals intact on sample bottles?	Y	es	
#6*Custody Seals Signed and dated?	Y	es	
#7 *Chain of Custody present?	Y	es	
#8 Any missing/extra samples?	Ν	ю	
#9 Chain of Custody signed when relinquished/ received?	Y	es	
#10 Chain of Custody agrees with sample labels/matrix?	Y	es	
#11 Container label(s) legible and intact?	Y	es	
#12 Samples in proper container/ bottle?	Y	es	Samples received in bulk containers.
#13 Samples properly preserved?	Y	es	
#14 Sample container(s) intact?	Y	es	
#15 Sufficient sample amount for indicated test(s)?	Y	es	
#16 All samples received within hold time?	Y	es	
#17 Subcontract of sample(s)?	Ν	lo	
#18 Water VOC samples have zero headspace?	N	I/A	

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

Analyst:

PH Device/Lot#:

Checklist completed by: Date: 07.22.2020 Elizabeth McClellan

Checklist reviewed by: fession Whamen Jessica Kramer

Date: 07.23.2020

Xenco

eurofins Environment Testing

## Certificate of Analysis Summary 683873

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WSP USA, Dallas, TX

Project Name: PLU PC 17

Project Id: TE012920085 Joseph Hernandez **Contact:** 

**Project Location:** 

Date Received in Lab: Thu 01.07.2021 16:48 Report Date: 02.05.2021 10:16 Project Manager: Jessica Kramer

	Lab Id:	683873-001				
Analysis Requested	Field Id:	BH03C				
Analysis Requested	Depth:	4- ft				
	Matrix:	SOIL				
	Sampled:	01.07.2021 10:3	30			
BTEX by EPA 8021B	Extracted:	01.07.2021 17:3	30			
	Analyzed:	01.08.2021 04:4	43			
	Units/RL:	mg/kg	RL			
Benzene		0.0123 0.00	0990			
Toluene		0.289 0.00	0990			
Ethylbenzene		0.158 0.00	0990			
m,p-Xylenes		1.91 0.0	0198			
o-Xylene		0.514 0.00	0990			
Total Xylenes		2.42 0.00	0990			
Total BTEX		2.88 0.00	0990			
Chloride by EPA 300	Extracted:	01.07.2021 18:1	10			
	Analyzed:	01.08.2021 08:1	15			
	Units/RL:	mg/kg	RL			
Chloride		85.6	10.0			
TPH by SW8015 Mod	Extracted:	01.07.2021 17:0	00			
	Analyzed:	01.08.2021 02:1	14			
	Units/RL:	mg/kg	RL			
Gasoline Range Hydrocarbons (GRO)		<49.8	49.8			
Diesel Range Organics (DRO)		575 4	49.8			
Motor Oil Range Hydrocarbons (MRO)		63.7	49.8			
Total GRO-DRO		575 4	49.8			
Total TPH		639 4	49.8			

BRL - Below Reporting Limit

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

Jession Vramer

Page 1 of 12

eurofins Environment Testing Xenco

## Analytical Report 683873

for

## WSP USA

**Project Manager: Joseph Hernandez** 

#### PLU PC 17

#### TE012920085

#### 02.05.2021

Collected By: Client

1089 N Canal Street Carlsbad, NM 88220

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

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

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18) Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24) Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21) Xenco-Carlsbad (LELAP): Louisiana (05092) Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8) Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins Environment Testing

02.05.2021 Project Manager: Joseph Hernandez WSP USA 2777 N. Stemmons Freeway, Suite 1600 Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): 683873 PLU PC 17 Project Address:

#### Joseph Hernandez:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 683873. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

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

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 683873 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

fession kenner

Jessica Kramer Project Manager

A Small Business and Minority Company

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

Page 3 of 12

eurofins Environment Testing Xenco

## Sample Cross Reference 683873

#### WSP USA, Dallas, TX

PLU PC 17

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH03C	S	01.07.2021 10:30	4 ft	683873-001

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Environment Testing Xenco

## **CASE NARRATIVE**

Client Name: WSP USA Project Name: PLU PC 17

Project ID: TE012920085 Work Order Number(s): 683873 Report Date: 02.05.2021 Date Received: 01.07.2021

#### Sample receipt non conformances and comments:

V1.001 Revision (client email) Changed sample ID from SS03C to BH03C

Sample receipt non conformances and comments per sample:

None

## **Certificate of Analytical Results 683873**

## WSP USA, Dallas, TX

Ы	JU	Р	U	1/	

Sample Id:	BH03C		Matrix	: Soil			Date Received:01	1.07.2021 16	:48
Lab Sample Io	d: 683873-001		Date C	ollected: 01.0	07.2021 10:30		Sample Depth: 4	ft	
Analytical Me	ethod: Chloride by EF	PA 300					Prep Method: E	300P	
Tech:	MAB								
Analyst:	MAB		Date P	rep: 01.0	07.2021 18:10		% Moisture:		
Seq Number:	3147128			1			Basis: W	et Weight	
Parameter		Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Chloride		16887-00-6	85.6	10.0		mg/kg	01.08.2021 08:15	5	1
Analytical Me Tech: Analyst: Seq Number:	ethod: TPH by SW80 MAB CAC 3147117	15 Mod	Date P	rep: 01.0	07.2021 17:00		Prep Method: S % Moisture: Basis: W	W8015P /et Weight	
Parameter		Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range	Hydrocarbons (GRO)	PHC610	<49.8	49.8		mg/kg	01.08.2021 02:14	4 U	1
Diesel Range O	rganics (DRO)	C10C28DRO	575	49.8		mg/kg	01.08.2021 02:14	4	1
Motor Oil Range	Hydrocarbons (MRO)	PHCG2835	63.7	49.8		mg/kg	01.08.2021 02:14	4	1
Total GRO-DR	0	PHC628	575	49.8		mg/kg	01.08.2021 02:14	4	1
Total TPH		PHC635	639	49.8		mg/kg	01.08.2021 02:14	4	1
Surrogate			Cas Number	% Recovery	Units	Limits	Analysis Dat	te Flag	
1-Chlorooc	ctane		111-85-3	113	%	70-135	01.08.2021 02:	:14	
o-Terpheny	yl	:	84-15-1	104	%	70-135	01.08.2021 02:	:14	

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## **Certificate of Analytical Results 683873**

#### WSP USA, Dallas, TX PLU PC 17

Sample Id:	BH03C		Matrix:	Soil		Date Received	1:01.07.2	2021 16:	48
Lab Sample Io	1: 683873-001		Date Collected	d: 01.07.2021 10:30		Sample Depth	:4 ft		
Analytical Me	ethod: BTEX by EPA 802	21B				Prep Method:	SW503	35A	
Tech:	MAB					% Moisture			
Analyst:	MAB		Date Prep:	01.07.2021 17:30		Basis:	Wet W	/eight	
Seq Number:	3147110							eigin	
Parameter		Cas Number	Result RI		Units	Analysis Da	ate	Flag	Dil

rarameter	Cas Nullibe	er Kesuit	KL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.0123	0.00990		mg/kg	01.08.2021 04:43		1
Toluene	108-88-3	0.289	0.00990		mg/kg	01.08.2021 04:43		1
Ethylbenzene	100-41-4	0.158	0.00990		mg/kg	01.08.2021 04:43		1
m,p-Xylenes	179601-23-1	1.91	0.0198		mg/kg	01.08.2021 04:43		1
o-Xylene	95-47-6	0.514	0.00990		mg/kg	01.08.2021 04:43		1
Total Xylenes	1330-20-7	2.42	0.00990		mg/kg	01.08.2021 04:43		1
Total BTEX		2.88	0.00990		mg/kg	01.08.2021 04:43		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	90	%	70-130	01.08.2021 04:43		
1,4-Difluorobenzene		540-36-3	87	%	70-130	01.08.2021 04:43		

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## **Flagging Criteria**

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

\*\* Surrogate recovered outside laboratory control limit.

BRL	Below Reporting Limit.	ND Not Detected.			
RL	Reporting Limit				
MDL	Method Detection Limit	SDL Sample Det	ection Limit	LOD Limit of Detection	
PQL	Practical Quantitation Limit	MQL Method Qua	antitation Limit	LOQ Limit of Quantitation	n
DL	Method Detection Limit				
NC	Non-Calculable				
SMP	Client Sample		BLK	Method Blank	
BKS/I	LCS Blank Spike/Laboratory	Control Sample	BKSD/LCSD	Blank Spike Duplicate/Labor	ratory Control Sample Duplicate
MD/S	<b>D</b> Method Duplicate/Samp	le Duplicate	MS	Matrix Spike	MSD: Matrix Spike Duplicate
+ NE	ELAC certification not offered	for this compound.			

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

#### **QC Summary** 683873

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#### WSP USA

#### PLU PC 17

Analytical Method: Seq Number: MB Sample Id:	<b>Chloride by</b> 3147128 7718710-1-1	y <b>EPA 30</b> BLK MB	0 Snike	] LCS San	Matrix: nple Id:	Solid 7718710-1	-BKS	Limits	Pi LCSI %RPD	rep Metho Date Pro D Sample <b>RPD</b>	od: E30 ep: 01.0 e Id: 771	0P )7.2021 8710-1-BSD Analysis	
Parameter		Result	Amount	Result	%Rec	Result	%Rec	Linits	/oki D	Limit	Cints	Date	Flag
Chloride		<10.0	250	247	99	246	98	90-110	0	20	mg/kg	01.08.2021 07:45	
<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>Chloride by</b> 3147128 683825-004	y EPA 30	0	] MS San	Matrix: nple Id:	Soil 683825-00	)4 S		Pr MS	ep Metho Date Pro D Sample	od: E30 ep: 01.0 e Id: 683	0P )7.2021 825-004 SD	
Parameter		Parent	Spike	MS Result	MS % Poo	MSD Baserik	MSD	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride		19.9	200	213	97	212	96 %	90-110	0	20	mg/kg	01.08.2021 08:03	
<b>Analytical Method:</b> Seq Number: Parent Sample Id:	<b>Chloride by</b> 3147128 683825-014	v EPA 30	0	] MS San	Matrix: nple Id:	Soil 683825-01	14 S		Pr MS	ep Metho Date Pro D Sample	od: E30 ep: 01.0 e Id: 683	0P )7.2021 825-014 SD	
Parameter		Parent	Spike	MS	MS	MSD	MSD	Limits	%RPD	RPD	Units	Analysis	Flag
Chloride		<9.94	Amount 199	Result 193	<b>%Rec</b> 97	Result 192	<b>%Rec</b> 97	90-110	1	20	mg/kg	Date 01.08.2021 09:32	
<b>Analytical Method:</b> Seq Number: MB Sample Id:	<b>TPH by SW</b> 3147117 7718698-1-1	7 <b>8015 M</b> ( BLK	od	] LCS San	Matrix: 1ple Id:	Solid 7718698-1	-BKS		Pr LCS	rep Metho Date Pro D Sample	od: SW3 ep: 01.0 e Id: 771	8015P )7.2021 8698-1-BSD	
Parameter		MB Result	Spike A mount	LCS Result	LCS %Rec	LCSD Bosult	LCSD	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbo	ons (GRO)	<50.0	1000	1040	104	1080	108	70-135	4	35	mg/kg	01.07.2021 23:13	
Diesel Range Organics (	(DRO)	<50.0	1000	990	99	1090	109	70-135	10	35	mg/kg	01.07.2021 23:13	
Surrogate		MB %Rec	MB Flag	L( %]	CS Rec	LCS Flag	LCSI %Re	) LCSI c Flag	) Li	mits	Units	Analysis Date	
1-Chlorooctane o-Terphenyl		101 103		1 10	16 04		115 110		70 70	-135 -135	% %	01.07.2021 23:13 01.07.2021 23:13	
Analytical Method: Seq Number:	<b>TPH by SW</b> 3147117	/8015 Me	od	] MB San	Matrix: ple Id:	Solid 7718698-1	-BLK		Pı	rep Metho Date Pro	od: SW3 ep: 01.0	8015P )7.2021	
Parameter				MB Result							Units	Analysis Date	Flag
Motor Oil Range Hydrocart	bons (MRO)			<50.0							mg/kg	01.07.2021 22:53	

MS/MSD Percent Recovery

Relative Percent Difference LCS/LCSD Recovery Log Difference

[D] = 100\*(C-A) / B $\begin{array}{l} \text{[D]} & = 100^{+} \left[ (\text{C-E}) / (\text{C+E}) \right] \\ \text{[D]} & = 100^{+} (\text{C}) / [\text{B}] \\ \text{Log Diff.} & = \text{Log(Sample Duplicate)} - \text{Log(Original Sample)} \end{array}$  LCS = Laboratory Control Sample A = Parent Result C = MS/LCS Result E = MSD/LCSD Result

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

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Хепсо

**Environment Testing** 

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#### QC Summary 683873

## WSP USA

#### PLU PC 17

TPH by SW	8015 M	od						Pı	ep Meth	od: SW3	8015P	
3147117			I	Matrix:	Soil				Date Pr	ep: 01.0	07.2021	
683730-061			MS San	nple Id:	683730-06	51 S		MS	D Sample	e Id: 683	730-061 SD	
	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
ns (GRO)	<50.0	999	1160	116	1050	105	70-135	10	35	mg/kg	01.08.2021 00:14	
DRO)	<50.0	999	1050	105	1140	114	70-135	8	35	mg/kg	01.08.2021 00:14	
			M %1	IS Rec	MS Flag	MSD %Rec	MSD Flag	) Li	mits	Units	Analysis Date	
			1	12		107		70	-135	%	01.08.2021 00:14	
			10	06		118		70	-135	%	01.08.2021 00:14	
	TPH by SW 3147117 683730-061 ns (GRO) DRO)	TPH by SW8015 Ma           3147117           683730-061           Parent           Result           ns (GRO)         <50.0	TPH by SW8015 Mod           3147117           683730-061           Parent         Spike           Result         Amount           ns (GRO)         <50.0	TPH by SW8015 Mod           3147117         I           683730-061         MS San           Parent         Spike         MS           Result         Amount         Result           ns (GRO)         <50.0	TPH by SW8015 Mod         3147117       Matrix:         683730-061       MS Sample Id:         Parent       Spike       MS       MS         Result       Amount       Result       %Rec         ns (GRO)       <50.0	TPH by SW8015 Mod         3147117       Matrix: Soil         683730-061       MS Sample Id: 683730-06         Parent       Spike       MS       MSD         Result       Amount       Result       %Rec       Result         ns (GRO)       <50.0	TPH by SW8015 Mod         3147117       Matrix: Soil         683730-061       MS Sample Id: 683730-061 S         Parent       Spike       MS       MS       MSD       MSD         Result       Amount       Result       %Rec       Result       %Rec         ns (GRO)       <50.0	TPH by SW8015 Mod         3147117       Matrix: Soil         683730-061       MS Sample Id:       683730-061 S         Parent       Spike       MS       MSD       MSD       Limits         Result       Amount       Result       %Rec       Result       %Rec         ns (GRO)       <50.0	TPH by SW8015 Mod         Pr           3147117         Matrix: Soil           683730-061         MS Sample Id: 683730-061 S         MSI           Parent         Spike         MS         MS         MSD         MSD         Limits         %RPD           Result         Amount         Result         %Rec         Result         %Rec         %Rep           ns (GRO)         <50.0	TPH by SW8015 Mod       Prep Method         3147117       Matrix: Soil       Date Pr         683730-061       MS Sample Id:       683730-061 S       MSD Sample         Parent Spike Result Amount       MS MS MS Result %Rec       MSD MSD MSD MSD MSD MSD Limits       %RPD RPD Limit         ns (GRO)       <50.0	Prep Method: SW3         3147117       Matrix: Soil       Date Prep: 01.0         683730-061       MS Sample Id: 683730-061 S       MSD Sample Id: 683         Parent Spike Result Amount       MS MS MS MS Result %Rec       MSD Limits %RPD RPD Limit       RPD Limit         ns (GRO)       <50.0	Prep Method: SW8015 Mod         3147117       Matrix: Soil       Date Prep:       01.07.2021         683730-061       MS Sample Id:       683730-061 S       MSD Sample Id:       683730-061 SD         Parent Result Amount       MS       MS       MSD       MSD       Limits       %RPD       RPD       Units       Analysis         ns (GR0)       <50.0

Analytical Method:	BTEX by EPA 8021	B						Pi	rep Meth	od: SW	5035A	
Seq Number:	3147110			Matrix:	Solid				Date Pr	ep: 01.0	07.2021	
MB Sample Id:	7718714-1-BLK		LCS San	nple Id:	7718714-	1-BKS		LCS	D Sampl	e Id: 771	8714-1-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	0.0965	97	0.0993	99	70-130	3	35	mg/kg	01.08.2021 00:49	
Toluene	< 0.00200	0.100	0.0931	93	0.0963	96	70-130	3	35	mg/kg	01.08.2021 00:49	
Ethylbenzene	< 0.00200	0.100	0.0862	86	0.0886	89	71-129	3	35	mg/kg	01.08.2021 00:49	
m,p-Xylenes	< 0.00400	0.200	0.176	88	0.180	90	70-135	2	35	mg/kg	01.08.2021 00:49	
o-Xylene	< 0.00200	0.100	0.0878	88	0.0902	90	71-133	3	35	mg/kg	01.08.2021 00:49	
Surrogate	MB %Rec	MB Flag	L/ %]	CS Rec	LCS Flag	LCSI %Re	) LCSI c Flag	) Li	imits	Units	Analysis Date	
1,4-Difluorobenzene	98		ç	94		94		70	-130	%	01.08.2021 00:49	
4-Bromofluorobenzene	88		8	37		86		70	-130	%	01.08.2021 00:49	

<b>Analytical Method:</b>	BTEX by EPA 8021	IB						P	rep Meth	od: SW	5035A	
Seq Number:	3147110			Matrix:	Soil				Date Pr	ep: 01.0	07.2021	
Parent Sample Id:	683730-061		MS Sar	nple Id:	683730-06	51 S		MS	D Sampl	e Id: 683	730-061 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	0.114	114	0.106	106	70-130	7	35	mg/kg	01.08.2021 01:34	
Toluene	< 0.00200	0.100	0.110	110	0.100	100	70-130	10	35	mg/kg	01.08.2021 01:34	
Ethylbenzene	< 0.00200	0.100	0.102	102	0.0915	92	71-129	11	35	mg/kg	01.08.2021 01:34	
m,p-Xylenes	< 0.00401	0.200	0.209	105	0.188	94	70-135	11	35	mg/kg	01.08.2021 01:34	
o-Xylene	< 0.00200	0.100	0.105	105	0.0928	93	71-133	12	35	mg/kg	01.08.2021 01:34	
Surrogate			N %	1S Rec	MS Flag	MSE %Re	) MSI c Flag	D Li g	imits	Units	Analysis Date	
1,4-Difluorobenzene			ç	94		93		70	-130	%	01.08.2021 01:34	

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

4-Bromofluorobenzene

 $\begin{array}{l} [D] = 100*(C-A) \ / \ B \\ RPD = 200* \ | \ (C-E) \ / \ (C+E) \ | \\ [D] = 100*(C) \ / \ [B] \\ Log \ Diff. = Log(Sample \ Duplicate) \ - \ Log(Original \ Sample) \end{array}$ 

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

86

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

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01.08.2021 01:34

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ece	ivea	- hallend	C Relinquished by: (Signatu	Wrice: Signature of this document a Trearvice. Xenco will be liable only f Wrenco. A minimum charge of \$75.0	Circle Method(s) and M	:21:	AM		130		-Seeso - Scos	Sample Identification	entiple castor Could.	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:		Sampler's Name: Luis De	P.O. Number: NRM2	Project Number:	Project Name:	Phone: 432.23	City, State ZIP: Midland	Address: 3300 N	Company Name: WSP L	Project Manager: Joseph				of
		(Joe	Ire) R	nd relinquishment of san or the cost of samples a 00 will be applied to each	00.8 / 6020: letal(s) to be analy				All a		s S	Matrix	LINI PA COL	IPS NO NIA	Tes No N/A	WWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWWW	I emp Blank:	l Val	015454266	EC12920085	PLU PC 1	6.3849	d, TX 79705	orth A Street	JSA Inc.	Hernandez		TORIES		
	-	(Julto	Received by: (Signa	nples constitutes a valid nd shall not assume any n project and a charge of	8RCRA 1 zed TCLP/S						1/7/2021 1030	Date Time Sampled Sample		Total Contain	Correction Fac	Inermom	Yes No Wet		77	7	7						Hobbs, NM (575	2	E	
-			ature)	purchase order from clic responsibility for any lo \$5 for each sample sub	3PPM Texas 11 SPLP 6010: 8RCF						4'	ed Depth			4mr 10 2	eter ID	Ice: Yes No	ue Date:	lush: 24 hr	Routine	Turn Around	mail: luis.delval@w	City, State ZIP:	Address:	Company Nam	Bill to: (if different	5-392-7550) Phoenix,A	lidland, TX (432-704-54-	iston TV (201) 240 420	
		2-21 1642	Date/Time	nt company to Xenco, its sses or expenses incurred nitted to Xenco, but not an	Al Sb As Ba Be A Sb As Ba Be						1 X X X	Numbe TPH (EF BTEX (F Chloride	er o PA EPA	801 0=	5) 8021 300.	aine ) 0)	irs					sp.com; joe.hernanc	Carlsbad, NM 88	3104 E Green S	e: XTO Energy	) Kyle Littrell	Z (480-355-0900) Atlant	10) EL Paso, TX (915)58		Chain of (
6	4	2	Relinquished by: (Signatu	affiliates and subcontractors. It assigns d by the client if such losses are due to ci nalyzed. These terms will be enforced un	B Cd Ca Cr Co Cu Fe Pb Cd Cr Co Cu Pb Mn Mo N																ANALYSIS REQU	dez@wsp.com	8220	treet			a,GA (770-449-8800) Tampa,FL (813-	5-3443 Lubbock, TX (806)794-1296	Cusionà	nietodu
			re) Received by: (Sigr	standard terms and conditions rcumstances beyond the control ess previously negotiated.	Mg Mn Mo Ni K Se Ag SiO: Se Ag TI U																EST	Deliverables: EDD	Reporting:Level IIevel III	State of Project:	Program: UST/PST PRP B	Work Or	620-2000) <u>www.xenco.</u>		Work Orde	
			nature) Date/Time		2 Na Sr Ti Sn U V Zn 1631/245.1/7470/7471: H							Sample Comments	lab, if received by 4:30pm	TAT starts the day receiied by							Work Order Notes	DaPT Other:	ST/UST RRP bvel IV		rownfields RC uperfund	der Comments	com Page 1 of 1	~	Pr No: WO CO TO	202231

## **Eurofins Xenco, LLC**

## Prelogin/Nonconformance Report- Sample Log-In

Client: WSP USA	Acceptable Temperature Range: 0 - 6 degC								
Date/ Time Received: 01.07.2021 04.48.00 PM	Air and Metal sample	es Acce	ptable Range: Ambient						
Work Order #: 683873	Temperature Measur	vice used : T_NM_007							
Sample Rece	eipt Checklist		Comments						
#1 *Temperature of cooler(s)?	.4								
#2 *Shipping container in good condition?	Ye	s							
#3 *Samples received on ice?	Ye	s							
#4 *Custody Seals intact on shipping container/ cooler?	Ye	S							
#5 Custody Seals intact on sample bottles?	Ye	S							
#6*Custody Seals Signed and dated?	Ye	S							
#7 *Chain of Custody present?	Ye	S							
#8 Any missing/extra samples?	No	0							
#9 Chain of Custody signed when relinquished/ received?	Ye	S							
#10 Chain of Custody agrees with sample labels/matrix?	Ye	s							
#11 Container label(s) legible and intact?	Ye	S							
#12 Samples in proper container/ bottle?	Ye	S	Samples received in bulk containers.						
#13 Samples properly preserved?	Ye	s							
#14 Sample container(s) intact?	Ye	s							
#15 Sufficient sample amount for indicated test(s)?	Ye	s							
#16 All samples received within hold time?	Ye	s							
#17 Subcontract of sample(s)?	No	כ							
#18 Water VOC samples have zero headspace?	N//	Α							

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Date: 01.07.2021

Checklist reviewed by: Jessica Kramer

Date: 01.08.2021

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	18276
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created	Condition	Condition
By		Date
rhamlet	It appears this report might have been uploaded twice to the payment portal. XTO's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first. WSP and XTO do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are identified on the site map as "BH01", "BH02", and "BH03". The areas have been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue. This is a Federal site and will require like approval from BLM.	7/6/2021

CONDITIONS

Action 18276

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