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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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

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

						,		-			-		
			Rele	ease Notifica	tion	n and Co	rrective A	ction	ı				
						OPERA	ГOR			al Report	\boxtimes	Final Report	
Name of Co	mpany: X	TO Energy,	Inc.			Contact: Lo	gan Hixon						
		00, Aztec, N		ico 87410		Telephone 1	No.: (505) 333-3	3683					
		ro Gas Com					e: Gas Well						
Surface Ow	ner Priva	to		Mineral Ov	vner.	Drivate			API No. 30-045-25509				
Surface Ow	iici. I iiva	ic		Willierar Ov	viici.	Tivate			ATTINO	. 30-043-2	3307		
				LOCA	LIOI	N OF RE	LEASE						
Unit Letter	Section	Township	Range	E12.2.2. 48.2.2.48.20.	North/	/South Line	Feet from the		West Line	County			
K	27	29 N	10W	1850	05100	FSL	1850		FWL	San Juan			
				Latitude: N36.0		OF REL		1					
Tyma of Dala	agai Duaduic	and Watan/Oil		NATO	KL	Volume of			Valuma I	Recovered: 5	hhl D	anavarad	
Type of Kele	ase: Produc	ed Water/Oil					itely 14 bbl.		volume i	(ecovered: 3	DDI. K	ecovered	
Source of Re	lease: Rod	String and Po	lish Rod L	iner			lour of Occurrence	ce:	Date and	Hour of Dis	covery	May 30,	
							17 at Unknown	Time	2017 at 1.	300.			
Was Immedia	ate Notice (1 v	No Not Rec	d	If YES, To	Whom?						
			i res _	No M Not Red	uirea								
By Whom?	D	1 10				Date and H		1 117					
Was a Water	course Rea] Yes ⊠	1 No		If YES, Vo	lume Impacting t	tne wate	ercourse.				
		pacted, Descr			0.2012	7 1	P L d	11.1	1.12	1		114111 6	
				n Taken.* On May 3 response 5 bbls of flo									
				uids to flow between t									
				OCD Guidelines for the					e depth to gre	ound water wa	as estim	ated to be less	
				ory limits to 100 ppm					J C'4- M-	*			
				cen.*See attached is true and comple							OCD #	ulas and	
				nd/or file certain rel									
				ce of a C-141 report									
				investigate and ren									
				otance of a C-141 re									
		ws and/or regi			1		P				,		
G:	1	- 16					OIL CON	SERV	ATION	DIVISIO	N)		
Signature:													
Printed Name	e: Logan H	ixon				Approved by	Environmental S	necialie	. (2	3	1	-D	
						Approved by	Environmental 3	pecialis		7		~	
Title: EHS C	oordinator					Approval Da	e: 4/13/1-	7	Expiration	Date:			
E-mail Addre	ess: Logan	Hixon@xtoer	nergy.com			Conditions of	Approval:	_					
	,					Contactions Of		Attached					
Date:	181	(Phone: 505-333-36	83	_	_						

* Attach Additional Sheets If Necessary

#NCS 1725633499

OIL CONS. DIV DIST. 3 JUL 2 1 2017



11 14

Affected Area and Cleanup Actions

May 30, 2017-

One (1) composite sample was collected from the release area. The sample was analyzed for TPH (DRO/GRO/MRO) via USEPA Method 8015, BTEX via USEPA Method 8021, and for chlorides. The samples collected returned results below the standard for Benzene, but above the standard for BTEX and TPH determined for this site.

June 6, 2017-

The NMOCD was notified of remediation activities to begin on June 8, 2017.

June 8, 2017-

Excavation activities began to remove the impacted soil. The excavation of the section of the release from 110'-146'x6" deep. A sample was collected of the area and was sent for laboratory analysis for TPH (DRO/GRO/MRO) and BTEX analysis via US EPA method 8015 and 8021 respectively, and chlorides. The 110-146'x6" deep returned results below the standards for Benzene, and BTEX, but above the standard for TPH.

June 13, 2017-

Additional excavation was completed of the area. One (1) sample was collected from the 0'-60'x1' deep, one (1) sample from 61'-110'x1' deep, and one (1) sample from 110'-146'x1' deep. The sample from 110'x146'x1' deep returned results below standards for Benzene, and BTEX, but above standards for TPH. The sample from 0'-60'x 1' deep returned results below standards for Benzene, and BTEX, but above standards for TPH. The sample from 61'-110'x1' deep returned results below standards for Benzene, and BTEX, but above standards for TPH.

June 14, 2017-

It was requested that no further action be required for the areas of release from 0'-60'x1' deep and 110'-146'x1' deep.

June 16, 2017-

The request for no further action was granted for the (2) two areas. (attached).

June 19, 2017-

Additional excavation was completed on the area of 61'-110' to an extent of 2' deep. The sample from 61'-110' to an extent of 2' deep returned results below standards for Benzene, and BTEX, but above standards for TPH.

1. 1.1

June 26, 2017-

Additional excavation was completed on the area of 61'-110' to an extent of 2.5' deep. The sample from 61'-110' to an extent of 2.5' deep returned results below standards for Benzene, and BTEX, but above standards for TPH.

July 5, 2017-

Additional excavation was completed on the area of 61'-110' to an extent of 3' deep. The sample from 61'-110' to an extent of 3' deep returned results below standard set for this site. Approximately 150 CY of soil was disposed of at the Envirotech Landfarm. No further action required.



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 05, 2017

James McDaniel XTO Energy 382 County Road 3100 Aztec, NM 87410

TEL: (505) 787-0519 FAX (505) 333-3280

RE: Romero Gas Com A 1

OrderNo.: 1706006

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/1/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

1706006-001

Client Sample ID: Surface Composite

Project: Romero Gas Com A 1

Lab ID:

Collection Date: 5/30/2017 4:30:00 PM

Matrix: SOIL

Received Date: 6/1/2017 7:20:00 AM

Analyses	Result	PQL	Qual	Units	DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	1100	30		mg/Kg	20 6/1/2017 12:04:28 PM 32061
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	3			Analyst: TOM
Diesel Range Organics (DRO)	50000	990		mg/Kg	100 6/1/2017 11:53:56 AM 32055
Motor Oil Range Organics (MRO)	18000	4900		mg/Kg	100 6/1/2017 11:53:56 AM 32055
Surr: DNOP	0	70-130	S	%Rec	100 6/1/2017 11:53:56 AM 32055
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: RAA
Gasoline Range Organics (GRO)	3100	330		mg/Kg	100 6/1/2017 4:07:51 PM R4318
Surr: BFB	339	54-150	S	%Rec	100 6/1/2017 4:07:51 PM R4318
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	2.8	1.6		mg/Kg	100 6/1/2017 4:07:51 PM B4318
Toluene	57	3.3		mg/Kg	100 6/1/2017 4:07:51 PM B4318
Ethylbenzene	25	3.3		mg/Kg	100 6/1/2017 4:07:51 PM B4318
Xylenes, Total	240	6.5		mg/Kg	100 6/1/2017 4:07:51 PM B4318
Surr: 4-Bromofluorobenzene	133	66.6-132	S	%Rec	100 6/1/2017 4:07:51 PM B4318

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706006

05-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A 1

Sample ID MB-32061

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 32061

RunNo: 43191

Prep Date: 6/1/2017 Analysis Date: 6/1/2017

SeqNo: 1360495

Units: mg/Kg

HighLimit

RPDLimit Qual

Analyte Chloride

Result **PQL** ND 1.5

TestCode: EPA Method 300.0: Anions

SPK value SPK Ref Val %REC LowLimit

Client ID:

SampType: Ics Batch ID: 32061

RunNo: 43191

Prep Date: 6/1/2017

Sample ID LCS-32061

Units: mg/Kg

Analysis Date: 6/1/2017

SeqNo: 1360496

RPDLimit

Analyte

PQL SPK value SPK Ref Val %REC LowLimit

15.00

%RPD

Chloride

14

HighLimit

Qual

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

Not Detected at the Reporting Limit ND

RPD outside accepted recovery limits

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706006

05-Jun-17

Client:

11 14

XTO Energy

Project:

Romero Gas Com A 1

								-		
Sample ID LCS-32055	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	1D: 32	055	F	RunNo: 4	3184				
Prep Date: 6/1/2017	Analysis D	ate: 6/	1/2017	S	SeqNo: 1	359572	Units: mg/M	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.4	73.2	114			
Surr: DNOP	4.9		5.000		98.0	70	130			
Sample ID MP 32055	SamnT	vno: ME	DI K	Tos	Code: El	PA Mothod	9045M/D: Di	scal Paner	Organies	
Sample ID MB-32055		ype: ME		Tes	tCode: El	PA Method	8015M/D: Di	esel Range	Organics	
Sample ID MB-32055 Client ID: PBS		ype: ME			tCode: El		8015M/ D: D i	esel Rango	e Organics	
		n ID: 32		F		3184	8015M/D: Did		e Organics	
Client ID: PBS	Batch	n ID: 32	055 1/2017	F	RunNo: 4 SeqNo: 1	3184			e Organics RPDLimit	Qual
Client ID: PBS Prep Date: 6/1/2017	Batch Analysis D	n ID: 320 ate: 6/	055 1/2017	F	RunNo: 4 SeqNo: 1	3184 359573	Units: mg/K	(g		Qual
Client ID: PBS Prep Date: 6/1/2017 Analyte	Batch Analysis D Result	n ID: 32 0 Pate: 6 /	055 1/2017	F	RunNo: 4 SeqNo: 1	3184 359573	Units: mg/K	(g		Qual

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706006

05-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A 1

Sample ID 2.5UG GRO LCS	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015 D: Gaso	oline Rang	е	
Client ID: LCSS	Batch	ID: R4	3188	R	RunNo: 4	3188				
Prep Date:	Analysis D	ate: 6/	1/2017	S	SeqNo: 1	360032	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	76.4	125			
Surr: BFB	1100		1000		106	54	150			

Sample ID RB	SampT	ype: ME	BLK	Test	Code: El	PA Method	8015 D: Gaso	line Rang	е	
Client ID: PBS	Batch	ID: R4	3188	R	unNo: 4	3188				
Prep Date:	Analysis D	ate: 6/	1/2017	S	eqNo: 1	360033	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		97.1	54	150			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 4 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706006

05-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A 1

Sample ID 100NG BTEX LCS	Samn	ype: LC	9	Tes	tCode: El	ilee				
							OUZID: VOIA	lies		
Client ID: LCSS	Batc	h ID: B4	3188	F	RunNo: 4	3188				
Prep Date:	Analysis [Date: 6/	1/2017	S	SeqNo: 1360036 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		116	66.6	132			
Sample ID RB	Samp	уре: МЕ	BLK	Tes	Code: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: B4	3188	R	RunNo: 4	3188				
Client ID: PBS Prep Date:	Batci Analysis D				RunNo: 4: SeqNo: 1:		Units: mg/K	íg		
			1/2017				Units: mg/K	i g %RPD	RPDLimit	Qual
Prep Date: Analyte	Analysis [Date: 6/	1/2017	S	SeqNo: 1:	360042		_	RPDLimit	Qual
Prep Date: Analyte Benzene	Analysis E	PQL	1/2017	S	SeqNo: 1:	360042		_	RPDLimit	Qual
Prep Date: Analyte Benzene Toluene	Analysis D Result ND	PQL 0.025	1/2017	S	SeqNo: 1:	360042		_	RPDLimit	Qual
Prep Date:	Analysis D Result ND ND	PQL 0.025 0.050	1/2017	S	SeqNo: 1:	360042		_	RPDLimit	Qual

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Detection Limit Sample container temperature is out of limit as specified Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: XTO Energy	Work Order Number:	1706006		RcptNo:	1
Received By: Anne Thorne	6/1/2017 7:20:00 AM		an Ilm		
Completed By: Anne Thorne	6/1/2017 8:28:26 AM		an In		
Reviewed By:	61117		Clone Stan		
Chain of Custody					
1. Custody seals intact on sample bottles	?	Yes 🗌	No 🗆	Not Present ✓	
2. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present	
3. How was the sample delivered?		Courier			
Log In					
4. Was an attempt made to cool the same	ples?	Yes 🗹	No 🗆	NA 🗆	
5. Were all samples received at a temper	ature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗆		
7. Sufficient sample volume for indicated	test(s)?	Yes 🗹	No 🗆		
8. Are samples (except VOA and ONG) p	roperly preserved?	Yes 🗹	No 🗌		
9. Was preservative added to bottles?		Yes	No 🗹	NA 🗆	
10.VOA vials have zero headspace?		Yes 🗌	No 🗆	No VOA Vials	
11. Were any sample containers received	broken?	Yes	No 🗹	# of preserved	
40.0				bottles checked	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custod	v)	Yes 🗹	No L	for pH: (<2 o	r >12 unless noted)
13. Are matrices correctly identified on Cha		Yes 🗸	No 🗆	Adjusted?	
14. Is it clear what analyses were requeste		Yes 🗹	No 🗌		
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗹	No 🗌	Checked by:	
Special Handling (if applicable)					
16. Was client notified of all discrepancies	with this order?	Yes 🗌	No 🗆	NA 🗹	
Person Notified:					-
By Whom:	Date	T liebte	Phone Fax	□ In Bernen	
Regarding:	Vid.	eiviaii	Priorie Lax	III Person	:
Client Instructions:	DO CASTANTINI CONTRACTOR AND			Carlo Date Control of the Control of	
17. Additional remarks:		*****			
18. Cooler Information	Continue Course	Seel Data	Cinand D.		
Cooler No Temp °C Condition 1 1.7 Good	Seal Intact Seal No S	Seal Date	Signed By		

	Quote	e Number			_			Ana	lysis/C	ontai	ner	Lab Informat	
XTO	XTO (.80	Contact		5	Page 1 of _ CTO Contact Pho	ne #							
ENERGY Western Division	1	-ogan		Results t			IMEO						fice Abbreviations sington = FAR
Well Site/Location		Number		Sai	turday Delivery (YA						Baki	ngo = DUR ren = BAK
Collected By	0	les on Ice 3/N)			<u>Turnaround</u> andard		00	X	8			Piced	n = RAT ince = PC
Signature	- Relcov	Reason		TC	ext Day No Day nree Day	1	3015 (Das/6Ro	GTE	or; des			La B	evelt = RSV arge = LB ageville = OV
Z #	Gray Areas f	Come Assert for Lab Use Oabel		Date No	me Day eeded	MUNKET No. of	IS C.	4	1				
Sample ID	Sample Name	Media	Date	Time	Preservative	Conts.	8	1208	J			5	ample Number
Surface composine Su	office confist	5	5-30	1630	C001	1-40	×:	*	_				170610de-001
Media : Filter = F Soil = S Wastewater	= WW Groundwater	= GW Dri	nbina W	aster = DV	V Sludge = SG Su	rface Water	= SW	Air = A	Drill	Mud =	DM Oth	er = OT	
Relinquished By: (Signature)		Dgte: 5-36-/		Time:	Received By: (Si	1				Num	ber of	Bottles	Sample Condition
Relinquished By: (Signature)		Date: 5/3//	7	1851	Unas	h.					cratur CF-1	e: 0=1.7	Other Information
Relinquished By: (Signature)		Date:		Time:	Received for Lai	by: (Signal	ture)			Date		me:	

^{*} Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 12, 2017

James McDaniel XTO Energy 382 County Road 3100 Aztec, NM 87410

TEL: (505) 787-0519 FAX (505) 333-3280

RE: Romero Gas Com A1

OrderNo.: 1706481

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/9/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1706481

Date Reported: 6/12/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: 110'-146' Composite

Project: Romero Gas Com A1

Collection Date: 6/8/2017 10:45:00 AM

Lab ID: 1706481-001

Matrix: SOIL

Received Date: 6/9/2017 7:30:00 AM

Analyses	Result	PQL Q	Qual U	Units	DF Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: LGT
Chloride	45	30		mg/Kg	20 6/9/2017 9:14:51 PM 32211
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	3			Analyst: TOM
Diesel Range Organics (DRO)	220	9.6		mg/Kg	1 6/9/2017 12:03:57 PM 32192
Surr: DNOP	96.3	70-130		%Rec	1 6/9/2017 12:03:57 PM 32192
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: NSB
Gasoline Range Organics (GRO)	21	4.2		mg/Kg	1 6/9/2017 1:18:37 PM G43390
Surr: BFB	325	54-150	S	%Rec	1 6/9/2017 1:18:37 PM G43390
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.021		mg/Kg	1 6/9/2017 1:18:37 PM B43390
Toluene	0.047	0.042		mg/Kg	1 6/9/2017 1:18:37 PM B43390
Ethylbenzene	0.054	0.042		mg/Kg	1 6/9/2017 1:18:37 PM B43390
Xylenes, Total	0.53	0.084		mg/Kg	1 6/9/2017 1:18:37 PM B43390
Surr: 4-Bromofluorobenzene	133	66.6-132	S	%Rec	1 6/9/2017 1:18:37 PM B43390

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
 - W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

RPDLimit

1706481

12-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com Al

Sample ID MB-32211

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 32211

RunNo: 43415

Units: mg/Kg

Prep Date: Analyte

6/9/2017

Analysis Date: 6/9/2017

SeqNo: 1366812

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

%RPD

Qual

Chloride

Result PQL ND 1.5

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID:

Batch ID: 32211

RunNo: 43415

Prep Date: 6/9/2017

Sample ID LCS-32211

Analysis Date: 6/9/2017

SeqNo: 1366813

Units: mg/Kg HighLimit

Analyte

SPK value SPK Ref Val

%REC

RPDLimit Qual

PQL

94.8

Chloride

14 1.5 15.00 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank B

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL

Reporting Detection Limit Sample container temperature is out of limit as specified Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706481

12-Jun-17

Client:

. 1 . 1

XTO Energy

Project:

Romero Gas Com A1

Sample ID LCS-32192	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 32	192	F	RunNo: 4	3379				
Prep Date: 6/9/2017	Analysis D	oate: 6/	9/2017	S	SeqNo: 1	365958	Units: mg/M	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	83.2	73.2	114			
Surr: DNOP	4.6		5.000		91.6	70	130			
Sample ID MB-32192	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	n ID: 32	192	F	RunNo: 4	3379				
Prep Date: 6/9/2017	Analysis D	oate: 6/	9/2017	S	SeqNo: 1	365959	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.6	70	130			

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 3 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706481

12-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Sample ID RB	SampTy	pe: MB	LK	Test	e						
Client ID: PBS	Batch	ID: G4 :	3390	R	unNo: 4	3390					
Prep Date:	Analysis Da	te: 6/9	9/2017	S	eqNo: 1	366595	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	960		1000		96.4	54	150				

Sample ID 2.5UG GRO LCS	SampT	ype: LC	S	Tes	tCode: E	PA Method	8015 D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: G4	3390	R	RunNo: 4	3390				
Prep Date:	Analysis Da	ate: 6/	9/2017	S	SeqNo: 1	366596	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	76.4	125			
Surr: BFB	1200		1000		115	54	150			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706481

12-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Sample ID RB	SampT	SampType: MBLK TestCode: EPA Method						iles		
Client ID: PBS	Batch	Batch ID: B43390 RunNo: 43390				3390				
Prep Date:	Analysis D	ate: 6/	9/2017	S	SeqNo: 1	366613	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025							-	
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		120	66.6	132			

Sample ID 100NG BTEX LC	Samp1	Type: LC	s	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batc	h ID: B4	3390	F	RunNo: 43390					
Prep Date:	Analysis [Date: 6/	9/2017	S	SeqNo: 1	366614	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	1.3		1.000		127	66.6	132			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

Page 5 of 5

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	XTO Energy	Work Order Numbe	r. 1706481		RcptNo:	1
		7:20 \$	6917			
Received By:	Anne Thorne	6/9/2017 7:15:99-AM		ame Sham		
Completed By:	Anne Thome	6/9/2017 8:18:13 AM		an Ilm		
Reviewed By:	ENM	06/09/17				
Chain of Cus	stody					
	als intact on sample bot	flac?	Yes 🗍	No 🗆	Not Present ✓	
	Custody complete?	uos!	Yes 🗹	No 🗆	Not Present	
	e sample delivered?		Courier			
Log In						
-	empt made to cool the s	samples?	Yes 🗹	No 🗆	NA 🗆	
5. Were all sai	mples received at a terr	perature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
6. Sample(s) i	in proper container(s)?		Yes 🗹	No 🗆		
7. Sufficient sa	ample volume for indica	ted test(s)?	Yes 🗹	No 🗆		
8. Are samples	s (except VOA and ONG	3) properly preserved?	Yes 🗹	No 🗌		
9. Was presen	vative added to bottles?		Yes 🗌	No 🗹	NA 🗆	
10.VOA vials h	ave zero headspace?		Yes 🗌	No 🗆	No VOA Vials	
11. Were any s	sample containers receiv	ved broken?	Yes	No 🗹	# of preserved	
12. Does paper	work match bottle labels	17	Yes 🗹	No 🗆	bottles checked for pH:	
	epancies on chain of cus					>12 unless noted)
13. Are matrices	s correctly identified on	Chain of Custody?	Yes 🗹	No 🗆	Adjusted?	
	hat analyses were reque		Yes 🗹	No 🗔	Observation	
	Iding times able to be more customer for authorization		Yes 🗹	No 🗀	Checked by:	
Special Hand	dling (if applicable					
	notified of all discrepand		Yes 🗆	No 🗆	NA 🗹	
Perso	n Notified:	Date				
By Wi		Via:		Phone Fax	☐ in Person	
Regar	-					
	Instructions:					
17. Additional r	remarks:					
18. Cooler Info	ormation					
Cooler N	lo Temp °C Condi		Seal Date	Signed By		
1	1.4 Good	Yes				

ENERGY Western Division Well Site/Location Rocco Gas Com A Collected By	Jan.	Janes,		Results	to:		10					
Well Site/Location Rocco Gos Com A I Collected By	AP				XTO Contact Phone # 505 386 -8018 Results to:				-			Office Abbreviations
Collected By	Collected By Samples on				turday Delivery (Y (N)	CDRO/600/MRO	1			Du Bo	rmington = FAR irango = DUR ikken = BAK
Company		Samples on Ice (Y)/ N) Test Reason			Standard Next Day Monday			EX.			Pic	ton = RAT ceance = PC osevelt = RSV
ignature	Rela			T	vo Day tree Day		000	CRTEX	ovide		La	Barge = LB angeville = OV
dy P	Gray Areas	for Lab Use	Only!	Date No	me Day	00/09/17	8015 (1208	0			
Sample ID Sa	mple Name	Media	Date	Time	Preservative	Conts.	8	0	5			Sample Number
110'-146 composit		5	6-8	1045	(00 (1-402	\bowtie	\sim	X.			1706481-001
<u>ledia :</u> Filter = F Soil = S Wastewater = W telinquished By: (Signature)	/W Groundwate	_	nking W				= SW	Air = A	Drill		d Other = Of	
telinquished By: (Signature)		Date:	17	Time:	Received By: (Si	set		STORAGE STATE			rature:	Sample Condition
1 Alles Week		lelelr	7	180	Unn=	In de	10911	7 073	0	/	1,4	Other Information
elinquished By: (Signature) Date:		Date:		Time:						Date: Tim	Time:	
omments		1						10 mar 19 mar				

^{*} Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 15, 2017

James McDaniel XTO Energy 382 County Road 3100 Aztec, NM 87410

TEL: (505) 787-0519 FAX (505) 333-3280

RE: Romero Gas Com A1

OrderNo.: 1706728

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/14/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1706728

Date Reported: 6/15/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: 110'-146' x 1' D

Project: Romero Gas Com A1

Collection Date: 6/13/2017 10:45:00 AM

Lab ID: 1706728-001

Matrix: SOIL

Received Date: 6/14/2017 7:50:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	39	30	mg/Kg	20	6/14/2017 10:40:42 AM	32282
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS	6			Analyst	TOM
Diesel Range Organics (DRO)	84	10	mg/Kg	1	6/14/2017 10:31:43 AM	32271
Motor Oil Range Organics (MRO)	57	50	mg/Kg	1	6/14/2017 10:31:43 AM	32271
Surr: DNOP	103	70-130	%Rec	1	6/14/2017 10:31:43 AM	32271
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	6/14/2017 9:23:53 AM	32257
Surr: BFB	93.1	54-150	%Rec	1	6/14/2017 9:23:53 AM	32257
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.022	mg/Kg	1	6/14/2017 9:23:53 AM	32257
Toluene	ND	0.045	mg/Kg	1	6/14/2017 9:23:53 AM	32257
Ethylbenzene	ND	0.045	mg/Kg	1	6/14/2017 9:23:53 AM	32257
Xylenes, Total	ND	0.089	mg/Kg	1	6/14/2017 9:23:53 AM	32257
Surr: 4-Bromofluorobenzene	118	66.6-132	%Rec	1	6/14/2017 9:23:53 AM	32257

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1706728

Date Reported: 6/15/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: 61'-110' X 1' D

Project: Romero Gas Com A1

Collection Date: 6/13/2017 2:15:00 PM

Lab ID: 1706728-002

Matrix: SOIL

Received Date: 6/14/2017 7:50:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	44	30	mg/Kg	20	6/14/2017 10:53:06 AM	32282
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	;			Analyst	TOM
Diesel Range Organics (DRO)	270	9.4	mg/Kg	1	6/14/2017 10:56:15 AM	32271
Motor Oil Range Organics (MRO)	100	47	mg/Kg	1	6/14/2017 10:56:15 AM	32271
Surr: DNOP	102	70-130	%Rec	1	6/14/2017 10:56:15 AM	32271
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	6/14/2017 9:47:43 AM	32257
Surr: BFB	128	54-150	%Rec	1	6/14/2017 9:47:43 AM	32257
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.020	mg/Kg	1	6/14/2017 9:47:43 AM	32257
Toluene	ND	0.039	mg/Kg	1	6/14/2017 9:47:43 AM	32257
Ethylbenzene	ND	0.039	mg/Kg	1	6/14/2017 9:47:43 AM	32257
Xylenes, Total	ND	0.078	mg/Kg	1	6/14/2017 9:47:43 AM	32257
Surr: 4-Bromofluorobenzene	122	66.6-132	%Rec	1	6/14/2017 9:47:43 AM	32257

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Lab Order 1706728

Date Reported: 6/15/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: 0'-60' X 1' D

Project: Romero Gas Com Al

Collection Date: 6/13/2017 2:45:00 PM

Lab ID: 1706728-003

Matrix: SOIL

Received Date: 6/14/2017 7:50:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	LGT
Chloride	99	30	mg/Kg	20	6/14/2017 11:05:31 AM	32282
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	3			Analyst	TOM
Diesel Range Organics (DRO)	49	9.8	mg/Kg	1	6/14/2017 11:20:59 AM	32271
Motor Oil Range Organics (MRO)	83	49	mg/Kg	1	6/14/2017 11:20:59 AM	32271
Surr: DNOP	99.2	70-130	%Rec	1	6/14/2017 11:20:59 AM	32271
EPA METHOD 8015D: GASOLINE RAN	IGE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	6/14/2017 10:11:42 AM	32257
Surr: BFB	104	54-150	%Rec	1	6/14/2017 10:11:42 AM	32257
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.021	mg/Kg	1	6/14/2017 10:11:42 AM	32257
Toluene	ND	0.041	mg/Kg	1	6/14/2017 10:11:42 AM	32257
Ethylbenzene	ND	0.041	mg/Kg	1	6/14/2017 10:11:42 AM	32257
Xylenes, Total	ND	0.083	mg/Kg	1	6/14/2017 10:11:42 AM	32257
Surr: 4-Bromofluorobenzene	126	66.6-132	%Rec	1	6/14/2017 10:11:42 AM	32257

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit
 - W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706728

15-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Sample ID MB-32282

Client ID: PBS

SampType: mblk

Batch ID: 32282

PQL

1.5

1.5

TestCode: EPA Method 300.0: Anions

RunNo: 43485

Prep Date: 6/14/2017

Analysis Date: 6/14/2017

SeqNo: 1370344

Units: mg/Kg

Analyte

Result

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

%RPD

RPDLimit

Qual

Chloride

ND

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Prep Date: 6/14/2017

Sample ID LCS-32282

Batch ID: 32282

RunNo: 43485

SeqNo: 1370345

Units: mg/Kg

Analyte

Analysis Date: 6/14/2017 PQL

SPK value SPK Ref Val %REC

91.8

LowLimit HighLimit **RPDLimit**

Qual

Chloride

Result 14

15.00

0

110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits J

Page 4 of 7

- P Sample pH Not In Range
- RL Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

140

4.6

9.7

48.26

4.826

WO#:

1706728

15-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Sample ID LCS-32271	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 32271	RunNo: 43444	
Prep Date: 6/14/2017	Analysis Date: 6/14/2017	SeqNo: 1369340	Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	53 10 50.00	0 105 73.2	114
Surr: DNOP	4.8 5.00	96.7 70	130
Sample ID MB-32271	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 32271	RunNo: 43444	
Prep Date: 6/14/2017	Analysis Date: 6/14/2017	SeqNo: 1369341	Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.2 10.00	91.7 70	130
Sample ID 1706728-001AMS	SampType: MS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: 110'-146' x 1' D	Batch ID: 32271	RunNo: 43444	
Prep Date: 6/14/2017	Analysis Date: 6/14/2017	SeqNo: 1369836	Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual

Sample ID 1706728-00	IAMSD Samp	Type: MS	D	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: 110'-146' x	Bato	h ID: 322	271	R	RunNo: 4	3444				
Prep Date: 6/14/2017	Analysis I	Date: 6/	14/2017	S	SeqNo: 1	369837	Units: mg/l	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	120	10	49.90	83.91	78.7	55.8	122	13.5	20	
Surr: DNOP	4.7		4.990		93.7	70	130	0	0	

83.91

118

94.6

55.8

70

122

130

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix

Diesel Range Organics (DRO)

Surr: DNOP

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 5 of 7

- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706728

15-Jun-17

Client:

XTO Energy

Project: Romero	Gas Com A1	
Sample ID MB-32257	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 32257	RunNo: 43490
Prep Date: 6/13/2017	Analysis Date: 6/14/2017	SeqNo: 1370009 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	ND 5.0	
Surr: BFB	960 1000	95.9 54 150
Sample ID LCS-32257	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 32257	RunNo: 43490
Prep Date: 6/13/2017	Analysis Date: 6/14/2017	SeqNo: 1370010 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	25 5.0 25.00	0 100 76.4 125
Surr: BFB	1000 1000	103 54 150
Sample ID MB-32244	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS	Batch ID: 32244	RunNo: 43491
Prep Date: 6/13/2017	Analysis Date: 6/14/2017	SeqNo: 1370036 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	1100 1000	110 54 150
Sample ID LCS-32244	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS	Batch ID: 32244	RunNo: 43491
Prep Date: 6/13/2017	Analysis Date: 6/14/2017	SeqNo: 1370037 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	1200 1000	119 54 150

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- RPD outside accepted recovery limits
- % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 6 of 7

- P Sample pH Not In Range
- Reporting Detection Limit
- Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706728

15-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Troject. Romero	o das com Ar								
Sample ID MB-32257	SampType: MBLI	К	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch ID: 3225	7	F	RunNo: 4	3490				
Prep Date: 6/13/2017	Analysis Date: 6/14	/2017	S	SeqNo: 1	370018	Units: mg/K	g		
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND 0.025								
Toluene	ND 0.050								
Ethylbenzene	ND 0.050								
Xylenes, Total	ND 0.10								
Surr: 4-Bromofluorobenzene	1.2	1.000		123	66.6	132			
Sample ID LCS-32257	SampType: LCS		Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: 32257	7	F	RunNo: 4	3490				
Prep Date: 6/13/2017	Analysis Date: 6/14	/2017	S	SeqNo: 1	370019	Units: mg/K	g		
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0 0.025	1.000	0	105	80	120			
Toluene	1.1 0.050	1.000	0	106	80	120			
Ethylbenzene	1.1 0.050	1.000	0	106	80	120			
Xylenes, Total	3.2 0.10	3.000	0	108	80	120			
Surr: 4-Bromofluorobenzene	1.2	1.000		125	66.6	132			
Sample ID MB-32244	SampType: MBLI	К	Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch ID: 32244	4	F	RunNo: 4	3491				
Prep Date: 6/13/2017	Analysis Date: 6/14	/2017	S	SeqNo: 1	370062	Units: %Red	:		
Analyte	Result PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1	1.000		108	66.6	132			
Sample ID LCS-32244	SampType: LCS		Tes	tCode: E	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch ID: 32244	4	F	RunNo: 4	3491				
Prep Date: 6/13/2017	Analysis Date: 6/14	/2017	S	SeqNo: 1	370063	Units: %Red	;		

SPK value SPK Ref Val %REC

1.000

Qualifiers:

Analyte

Surr: 4-Bromofluorobenzene

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

Result

1.1

PQL

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

LowLimit

111

66.6

HighLimit

132

%RPD

RPDLimit

Qual

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Detection Limit

W Sample container temperature is out of limit as specified

Page 7 of 7



Hall Environmental Analysts Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	XTO Energy		Work Ord	er Number:	1706728			RcptNo:	1
Received By:	Anne Thorn	0	6/14/2017 7	:50:00 AM		am	1-		
Completed By:	Anne Thorn	0	6/14/2017 7	:59:02 AM		ann.	1		
Reviewed By:	Ne	_	4114/17			our ,			
Chain of Cus	tody								
1. Custody sea	ls intact on sar	mple bottles?			Yes 🗌	No		Not Present	
2. Is Chain of C	Custody comple	ete?			Yes 🗹	No		Not Present	
3. How was the	sample delive	ered?			Courier				
Log In									
4. Was an atte	mpt made to c	ool the sampl	es?		Yes 🗹	No		NA 🗆	
5. Were all san	nples received	at a temperal	ture of >0° C to	6.0°C	Yes 🗹	No		NA 🗆	
6. Sample(s) in	n proper contai	ner(s)?			Yes 🗸	No			
7. Sufficient sa	mple volume fo	or indicated te	st(s)?		Yes 🗸	No			
8. Are samples	(except VOA	and ONG) pro	perly preserved	?	Yes 🗸	No			
9. Was preserv	vative added to	bottles?			Yes	No	\checkmark	NA 🗌	
10. VOA vials ha	ave zero heads	pace?			Yes 🗌			No VOA Viais	
11. Were any sa	ample containe	ers received b	roken?		Yes -	No	V	# of preserved	
12. Does paperv	work match bot pancies on cha				Yes 🔽	No		bottles checked for pH:	or >12 unless noted)
13. Are matrices	correctly iden	tified on Chair	of Custody?		Yes 🗸	No		Adjusted?	
14. Is it clear wh	at analyses we	ere requested	?		Yes 🗸				
15. Were all hold (If no, notify	ding times able customer for a				Yes 🗸	No		Checked by:	
Special Hand	lling (if app	licable)							
16. Was client n	otified of all dis	screpancies w	ith this order?		Yes 🗆	No		NA 🗹	
Person By Wh	Notified:			Date Via:	aliali	Phone	Fav	☐ In Person	
Regard		C A Carlotte and Car		The Land					
Client	Instructions:								
17. Additional re	emarks:						-		
18. Cooler Info		Condition	Seal Intact S	Seal No	Seal Date	Signed	Ву		
1	1.5		Yes						

		Que	ete Number		-	Page 1 of	1		Anal	ysis/Co	ontainer	La
)×4 (O Contact		XTQ Contact Phone #							
A STATE OF THE STA	-	10	nes	Em est	So5 386-1018			0				
ENERG		1	-					12				Office Abbrevia ons
Western Division Well Site/Location			James,	Kur	t, Logan			me				Farmington = FAR
		API Number			Sa	turday Delivery (Y/N)	620/		1		Durango = DUR Bakken = BAK
Collected By	A	Son	ples on Ice			Turperound		100				Raton = RAT
Logan H			(W/N)		St	andard X Som	e Daniel		STET			Piceance = PC
Company			st Reason		T M	and Date to	1/4)	C Dao!	13	ł		Roosevelt = RSV
XTO						wo Day		5	1	Dr. Ja		La Barge = LB
Signature		DELPAREMENTAL PROPERTY AND PROP	the secretary and a secretary and the secretary and the secretary	WORTH COLUMN	T	hree Day		9	2	4		Orangeville = OV
Any K					Date N	ame Day	1114 Kuls	2	7	9		
		International sections of the section of the sectio	manusuvanununnus				No. of	8018	8021	3		
Sample ID		ple Name	Media	Date	Time	Preservative	Conts.			4		
110-146, X 1, U		ppn	13,	6-13	1045	Cool	1-2/02	X	\preceq P	4_		1/10/27/28 20
81-110, XI, D	16.7	ppm	1.		1415			X	\times	4_		16 16 16 16 16 16 16 16 16 16 16 16 16 1
0-60' X 1'D	7.7	ppn	1	1	1445		1	×	\times	_		
		"										
				1								
	1				-		-					
	1		_						-	-		
	_		1		_					+		
	+		-	-	-				-	+	-	
				-	-	-				-		
Media : Filter = F Soil = \$ Wast	ewater = WV	V Groundwat	er = GW Dr	inking W	aster = Di	W Sludge = SG Su	rface Water	= SW	Air = A	Drill I	Mud = DM (Other = OT
Relinquished By: (Signature)			Date: 6-13		Time:	Received By: (Sig	inhture)		0	11		
Politicuished Bus (Stangture)			Date:		Time:							separate a properties and the second
Relitiquished By: (Signature)			11/13/	17	1844							Charles Charles
Relinquished By: (Signature)			Date:		Time:			The state of the s				Tipula.
	112 21					W. C. S. B. S. S. S.						7757
Comments						to and the second secon	CONTRACTOR OF THE PROPERTY OF	and the second	April 1840ant (2011	**************************************	THE RESERVE OF	The second second second second second second
										_		

^{*} Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

June 22, 2017

James McDaniel XTO Energy 382 County Road 3100 Aztec, NM 87410

TEL: (505) 787-0519 FAX (505) 333-3280

RE: Romero Gas Com A1

OrderNo.: 1706A36

Dear James McDaniel:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/20/2017 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 1706A36

Date Reported: 6/22/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: XTO Energy

Client Sample ID: 61' x 110' x 2' D

Project: Romero Gas Com Al

Collection Date: 6/19/2017 10:45:00 AM

Lab ID: 1706A36-001

Matrix: SOIL Received Date: 6/20/2017 7:35:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	57	30	mg/Kg	20	6/22/2017 6:35:36 AM	32429
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS	6			Analyst	: TOM
Diesel Range Organics (DRO)	140	9.7	mg/Kg	1	6/21/2017 11:24:41 AM	32398
Motor Oil Range Organics (MRO)	110	48	mg/Kg	1	6/21/2017 11:24:41 AM	32398
Surr: DNOP	97.7	70-130	%Rec	1	6/21/2017 11:24:41 AM	32398
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	6/21/2017 4:05:37 AM	32371
Surr: BFB	96.9	54-150	%Rec	1	6/21/2017 4:05:37 AM	32371
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.021	mg/Kg	1	6/21/2017 4:05:37 AM	32371
Toluene	ND	0.043	mg/Kg	1	6/21/2017 4:05:37 AM	32371
Ethylbenzene	ND	0.043	mg/Kg	1	6/21/2017 4:05:37 AM	32371
Xylenes, Total	ND	0.085	mg/Kg	1	6/21/2017 4:05:37 AM	32371
Surr: 4-Bromofluorobenzene	122	66.6-132	%Rec	1	6/21/2017 4:05:37 AM	32371

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 5
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706A36

22-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Sample ID MB-32429

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 32429

RunNo: 43687

Prep Date: 6/21/2017

Sample ID LCS-32429

Analysis Date: 6/22/2017

Analyte

SeqNo: 1377162

Units: mg/Kg

HighLimit

%RPD **RPDLimit**

Chloride

Result **PQL**

ND 1.5

TestCode: EPA Method 300.0: Anions

Client ID: Prep Date:

6/21/2017

SampType: Ics Batch ID: 32429

RunNo: 43687

Analyte

Analysis Date: 6/22/2017

SeqNo: 1377163

Units: mg/Kg

RPDLimit Qual

PQL

%RPD

Chloride

SPK value SPK Ref Val %REC LowLimit **HighLimit** 1.5 15.00 93.5

SPK value SPK Ref Val %REC LowLimit

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix
- В
- E Value above quantitation range
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Detection Limit RL
- Sample container temperature is out of limit as specified

Analyte detected in the associated Method Blank

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706A36

22-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Sample ID LCS-32398	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 32398			RunNo: 43677						
Prep Date: 6/20/2017	Analysis Da	ate: 6/	21/2017	S	SeqNo: 1	375846	Units: mg/K	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	73.2	114			
Surr: DNOP	3.9		5.000		78.3	70	130			

Sample ID MB-32398	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 32	398	R	RunNo: 4	3677				
Prep Date: 6/20/2017	Analysis D	ate: 6/	21/2017	S	SeqNo: 1	375847	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.3		10.00		83.5	70	130			

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded H

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

 \mathbf{B} Analyte detected in the associated Method Blank

Value above quantitation range

J Analyte detected below quantitation limits

Reporting Detection Limit

P Sample pH Not In Range

Sample container temperature is out of limit as specified

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706A36

22-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Troject. Romero	Gus Com 711								
Sample ID MB-32371	SampType: MB	LK	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 323	71	R	RunNo: 43	3647				
Prep Date: 6/19/2017	Analysis Date: 6/2	20/2017	S	SeqNo: 13	375311	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0								
Surr: BFB	940	1000		94.3	54	150			
Sample ID LCS-32371	SampType: LCS	S	Test	tCode: EP	A Method	8015 D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 323	71	R	RunNo: 43	3647				
Prep Date: 6/19/2017	Analysis Date: 6/2	20/2017	S	SeqNo: 13	375312	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24 5.0	25.00	0	97.8	76.4	125			
Surr: BFB	1100	1000		109	54	150			

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range

Reporting Detection Limit

- J Analyte detected below quantitation limits
- D. Samula III Nat In Danas

P Sample pH Not In Range

W Sample container temperature is out of limit as specified

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#:

1706A36

22-Jun-17

Client:

XTO Energy

Project:

Romero Gas Com A1

Sample ID MB-32371		SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch	Batch ID: 32371			RunNo: 4	3647				
Prep Date: 6/19/2017	Analysis D	Date: 6/	20/2017	S	SeqNo: 1	375343	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		122	66.6	132			

Sample ID LCS-32371	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch	Batch ID: 32371			RunNo: 43647					
Prep Date: 6/19/2017	Analysis Date: 6/20/2017			SeqNo: 1375344 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		125	66.6	132			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- D C I WAY A D
- P Sample pH Not In Range
- RL Reporting Detection Limit
- W Sample container temperature is out of limit as specified

Page 5 of 5



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: XTO Energy	Work Order Number:	1706A36		RoptNo: 1
Received By: Anne Thome	6/20/2017 7:35:00 AM		anne Ilm	
Completed By: Anne Thorne	6/20/2017 8:27:44 AM		am I	
Reviewed By: ENH	06/20/17		Clara y . Ca	
Chain of Custody				
1. Custody seals intact on sample bottle	3?	Yes 🗌	No 🗌	Not Present
2. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present
3. How was the sample delivered?		Courier		
<u>Log In</u>				
4. Was an attempt made to cool the san	nples?	Yes 🗹	No 🗆	NA 🗆
5. Were all samples received at a temper	erature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆
6. Sample(s) in proper container(s)?		Yes 🗹	No 🗆	
7. Sufficient sample volume for indicated	test(s)?	Yes 🗹	No 🗌	
8. Are samples (except VOA and ONG)	properly preserved?	Yes 🗹	No 🗆	
9. Was preservative added to bottles?		Yes	No 🗹	NA 🗆
10.VOA vials have zero headspace?		Yes 🗆	No 🗆	No VOA Vials
11. Were any sample containers received	broken?	Yes	No 🗹	# of preserved
12. Does paperwork match bottle labels? (Note discrepancies on chain of custo	dy)	Yes 🗹	No 🗆	for pH: (<2 or >12 unless not
13. Are matrices correctly identified on Ch	ain of Custody?	Yes 🗹	No 🗆	Adjusted?
14. Is it clear what analyses were request	ed?	Yes 🗹	No 🗌	
 Were all holding times able to be met. (If no, notify customer for authorization 		Yes 🗹	No 🗆	Checked by:
Special Handling (if applicable)				
16. Was client notified of all discrepancies	with this order?	Yes 🗌	No 🗆	NA 🗹
Person Notified:	Date [
By Whom:	Via: [eMail	Phone Fax	In Person
Regarding:				
: Client Instructions:				Administration and the depote accordance.
17. Additional remarks:				
18. Cooler Information	Louisian Louis La	nulper 1	Simular 1	
Cooler No Temp °C Condition	Seal Intact Seal No S	Seal Date	Signed By	

11	Quo	te Number			Page of	100		An	alysis/C	ontain	er .		
XTO		Contact		2	TO Contact Pho	ne #							
ENERGY Western Division			A THE REAL PROPERTY.	Results	tos		200						ington = FAR
Romero Gos Com. Al				Sai	OJW_ turday Delivery (VIO	0/0					Durar Bakk	ngo = DUR en = BAK
Collected By	Sam	ples on Ice (V)/N)		THE RESERVE OF THE PERSON NAMED IN	Turnaround andard ext Day		160	2×1			Raton = RAT Piceance = PC Roosevelt = RSV		
Company		t Reason		TI	vo Day		8015 L Dilo/1620/ mila	(GTEX	Locider			La Ba	rge = LB geville = OV
soy I	Gray Areas		e Only!	Date No	eeded	Medilet	175	7 17	2/0				
Sample ID	Sample Name	Media	Date	Time	Preservative	No. of Conts.	50	देवा	Q			The same of the same of	ample Number
61 X100' XZ' D		5	6-19	Louis	Cool	1-400	×	×	×			E	706A36001
Media: Filter = F Soil = 5 Wastewate Relinquished By: (Signature)	er = WW Groundwate	Date:	-		Received By: (\$is		= SW	Air =	A Drill	Name and Address of the Owner, where the Owner, which is the Owner,	M Other : per of Bol	The same of the same	Sample Condition
Relinquished By: (Signature)		Date:	117	Time: 1839				Temp	erature:		Other Information		
Relinquished By: (Signature)		Date:		Time: Received for Lab by: (Signature)				Dates	In or	THE R. P. LEWIS CO., LANSING, MICH.			



Analytical Report

Report Summary

Client: XTO Energy Inc.
Chain Of Custody Number:

Samples Received: 6/26/2017 2:11:00PM

Job Number: 98031-0528

Work Order: P706037

Project Name/Location: Romero Gas Com A #1A

Report Reviewed By:	Walter Hindung	Date:	6/27/17	
	Walter Hinchman, Laboratory Director			
	1			
		Date:	6/27/17	
	Tim Cain, Quality Assurance Officer			

The results in this report apply to the samples submitted to Envirotech's Analytical Laboratory and were analyzed in accordance with the chain of custody document supplied by you, the client, and as such are for your exclusive use only. The results in this report are based on the sample as received unless otherwise noted. Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc. If you have any questions regarding this analytical report, please don't hesitate to contact Envirotech's Laboratory Staff.



Project Name:

Romero Gas Com A #1A

382 CR 3100 Aztec NM, 87410 Project Number: Project Manager: 98031-0528 Logan Hixon Reported:

27-Jun-17 14:51

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
60-110x 2.5'	P706037-01A	Soil	06/26/17	06/26/17	Glass Jar, 4 oz.	

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Project Name:

Romero Gas Com A #1A

382 CR 3100

Project Number:

98031-0528

Reported: 27-Jun-17 14:51

Aztec NM, 87410

Project Manager: Logan Hixon

60-110x 2.5' P706037-01 (Solid)

	Reporting											
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes			
Nonhalogenated Organics by 8015												
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	1726004	06/26/17	06/26/17	EPA 8015D				
Diesel Range Organics (C10-C28)	341	25.0	mg/kg	1	1726005	06/27/17	06/27/17	EPA 8015D				
Oil Range Organics (C28-C40+)	120	50.0	mg/kg	1	1726005	06/27/17	06/27/17	EPA 8015D				
Surrogate: 1-Chloro-4-fluorobenzene-FID		113 %	50	-150	1726004	06/26/17	06/26/17	EPA 8015D				
Surrogate: n-Nonane		106%	50	-200	1726005	06/27/17	06/27/17	EPA 8015D				

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc.com

Page 3 of 7



Project Name:

Romero Gas Com A #1A

382 CR 3100 Aztec NM, 87410 Project Number:

98031-0528

Reported:

Project Manager: Logan Hixon

27-Jun-17 14:51

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1726004 - Purge and Trap EPA 5030)A									
Blank (1726004-BLK1)				Prepared &	Analyzed:	26-Jun-17				
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: I-Chloro-4-fluorobenzene-FID	8.87		*	8.00		111	50-150			
LCS (1726004-BS1)				Prepared &	Analyzed:	26-Jun-17				
Gasoline Range Organics (C6-C10)	67.1	20.0	mg/kg	60.9		110	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.84		•	8.00		111	50-150			
Matrix Spike (1726004-MS1)	Sour	ce: P706037-	01	Prepared &	Analyzed:	26-Jun-17				
Gasoline Range Organics (C6-C10)	65.6	20.0	mg/kg	60.9	ND	108	70-130			
Surrogate: I-Chloro-4-fluorobenzene-FID	8.93		•	8.00		112	50-150			
Matrix Spike Dup (1726004-MSD1)	Sour	rce: P706037-	01	Prepared &	Analyzed:	26-Jun-17				
Gasoline Range Organics (C6-C10)	66.4	20.0	mg/kg	60.9	ND	109	70-130	1.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.87			8.00		111	50-150			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.



Project Name:

Romero Gas Com A #1A

382 CR 3100 Aztec NM, 87410 Project Number: Project Manager: 98031-0528 Logan Hixon Reported: 27-Jun-17 14:51

Nonhalogenated Organics by 8015 - Quality Control

Envirotech Analytical Laboratory

		Reporting		Spike	Source		76KEC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1726005 - DRO Extraction EPA 3570										100
Blank (1726005-BLK1)				Prepared &	k Analyzed:	27-Jun-17				
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40+)	ND	50.0	-							
Surrogate: n-Nonane	51.6		•	50.0		103	50-200			
LCS (1726005-BS1)				Prepared &	k Analyzed:	27-Jun-17				
Diesel Range Organics (C10-C28)	469	25.0	mg/kg	500		93.7	38-132			
Surrogate: n-Nonane	51.6		-	50.0		103	50-200			
Matrix Spike (1726005-MS1)	Sour	rce: P706037-	01	Prepared &	k Analyzed	27-Jun-17				
Diesel Range Organics (C10-C28)	827	25.0	mg/kg	500	341	97.1	38-132			
Surrogate: n-Nonane	53.3			50.0		107	50-200			
Matrix Spike Dup (1726005-MSD1)	Som	rce: P706037 -	01	Prepared &	k Analyzed	27-Jun-17				
Diesel Range Organics (C10-C28)	878	25.0	mg/kg	500	341	107	38-132	6.04	20	
Surrogate: n-Nonane	52.1		-	50.0		104	50-200			

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

5796 US Highway 64, Farmington, NM 87401

Ph (505) 632-0615 Fx (505) 632-1865

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (970) 259-0615 Fr (800) 362-1879

envirotech-inc com

Page 5 of 7



Project Name:

Romero Gas Com A #1A

382 CR 3100 Aztec NM, 87410 Project Number: Project Manager: 98031-0528

Reported: 27-Jun-17 14:51

Logan Hixon

Notes and Definitions

DET

Analyte DETECTED

ND

Analyte NOT DETECTED at or above the reporting limit

NR

Not Reported

dry

Sample results reported on a dry weight basis

RPD

Relative Percent Difference

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech, Inc.

	Que	te Number			Page of	1		Analys	is/Conta	ner		Lab Information
XTO	хт	O Contact		×	TO Centact Phor	10 #	MRD				0	18031-0528
ENERGY				Results t			3					office Abbreviation
Western Division		Logan, t	curt	, Jone	~		0				Fare	mington = FAR
Pomero Gos un Al	AF	Number		Sat	urday Delivery (Y / N)	Ro					ango = DUR ken = BAK
Collected By	San	ples on Ice		She	Turnaround		16					on = RAT
Company	Rel	st Reason		No.	not Day To Day Tree Day The Day	_	CORU				Roo La I	sevelt = RSV Barge = LB ngeville = OV
2-11	Gray Areas	for Lab Us	only!	Date Ne			015					
Sample ID Sa	mple Name	Media	Date	Time	Preservative	No. of Conts.	80					Sample Number
60-110 X2.5 '		5	6-26	1100	1000	1-400	×				27	06037-0
		-					\vdash			-		
			_							+		
									P			
								-		+		
							400					
<u>edia :</u> Filter = F Soil = S Wastewater = W elinquished By: (Signature)	rw Groundwas			The same of the sa	Received By: (Sig	-	= 3W	AIT = A	The state of the s	-	of Bottles	Sample Condition
elinquished By: (Signature)		Date:	-17	(7C/C)			Total Street					Cool
amdanuaa phi (siauarna)		Dates								4.0		Other Informati
elinquished By: (Signature)		Date:		Time:	Recolved for Lab by (Signature)				Del	24十	Times (441)	Intact
omments		Name and Address of the Owner, where the Owner, which the	-	Name and Address of the Owner, where		Contract of the last of the la	-	_	-			

11	Que	te Number			Page of		AI	alysis/Container		ab Information
XTO	ХТ	O Contact		×	TO Centact Phen	ne #	MRO		9	8031-0528
ENERGY				Results t			3		Of	fice Abbreviation
Western Division		Logan, t	curt				0		Farn	ington = FAR
Pomero Gas um Al	AP	Number		Sat	urday Delivery (Y / N)	no			ngo = DUR ren = BAK
Collected By	San	ples on Ice	-	She	Tumaround		16			n = RAT ince = PC
Company		st Reason		No.	no Day	_	CORU		La B	evelt = RSV arge = LB ageville = OV
Ignature 2	Gray Areas		o Only!		ree Day me Day eded		O15 (Oran	igeville = OV
Sample ID So	ample Name	Media	Date	Time	Preservative	No. of Conts.	00		THE RESERVE OF THE PERSON	ample Number
60-110 X2.5'		5	6-26	1100	C001	1-400	×		270	16037-01
			-							
						2 2 2				
						-				
						-				
edia : Filter = F Soil = \$ Wastewater = olinquished By: (Signature)	WW Groundwate		1		Studge = SG Su Received By: (Sig		- SW Alt	A Drill Mud = DM O		Sample Conditio
elinquished By: (Signature)		Date:	-17	(7C/C)			Temperate		Cool	
21. 21. 21. 1								4.0		Other Informati
elinquished By: (Signature)		Date:		Time:	Diene La	By (Signer	puro)	Data 12-21-17	1441	Intact
omments	La				0					



ANALYTICAL REPORT



XTO Energy - San Juan Division

Sample Delivery Group:

L920454

Samples Received:

07/06/2017

Project Number:

30-045-25509

Description:

Romero GC A #1

Report To:

James McDaniel

382 County Road 3100

Aztec, NM 87410

Entire Report Reviewed By:

Dapline R Richards

Daphne Richards

Technical Service Representative

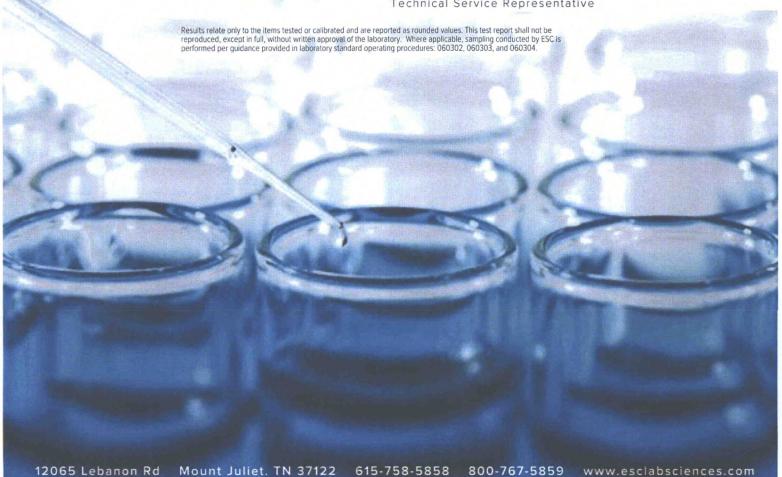


TABLE OF CONTENTS

ONE LAB. NATIONWIDE.



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
60'-110' X3' L920454-01	5
Qc: Quality Control Summary	6
Total Solids by Method 2540 G-2011	6
Volatile Organic Compounds (GC) by Method 8015D/GRO	7
Semi-Volatile Organic Compounds (GC) by Method 8015	8
GI: Glossary of Terms	9
Al: Accreditations & Locations	10
Sc: Chain of Custody	11





















SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



	Collected date/time 07/05/17 09:55	Collected by Kurt			60'-110' X3' L920454-01 Solid
Analyst	Analysis	Preparation	Dilution	Batch	Method
	date/time	date/time			
MLW	07/07/17 09:40	07/07/17 09:31	1	WG996310	Total Solids by Method 2540 G-2011
JHH	07/07/17 05:21	07/06/17 15:21	1	WG996365	Volatile Organic Compounds (GC) by Method 8015D/GRO
KLM	07/07/17 15:47	07/06/17 21:36	1	WG996297	Semi-Volatile Organic Compounds (GC) by Method 8015
	07/07/17 05:21	07/06/17 15:21	1 1 1	WG996365	Volatile Organic Compounds (GC) by Method 8015D/GRO





















CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the

Tc

Ss

Qc

GI

Al

Daphne Richards

Technical Service Representative

Dapline R Richards

60' 110' X3'
Collected date/time: 07/05/17 09:55

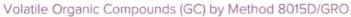
SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	92.5		1	07/07/2017 09:40	WG996310





	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
TPH (GC/FID) Low Fraction	ND		0.108	1	07/07/2017 05:21	WG996365
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		07/07/2017 05:21	WG996365



Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
C10-C28 Diesel Range	27.8		4.32	1	07/07/2017 15:47	WG996297	
C28-C40 Oil Range	10.3	В	4.32	1	07/07/2017 15:47	WG996297	
(S) o-Terphenyl	90.2		18.0-148		07/07/2017 15:47	WG996297	











QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L920454-01

Method Blank (MB)

Analyte

Analyte

Total Solids

(MB) R3231775-1 07/07/17 09:40

MB Result MB Qualifier MB MDL MB RDL %

Total Solids 0.000600

Total Solids by Method 2540 G-2011



(OS) L919427-07 07/07/17 09:40 • (DUP) R3231775-3 07/07/17 09:40

 Original Result
 DUP Result
 Dilution
 DUP RPD
 DUP Qualifier
 DUP RPD Limits

 %
 %
 %
 %
 5

 85.1
 85.4
 1
 0.374
 5

Laboratory Control Sample (LCS)

(LCS) R3231775-2 07/07/17 09:40

 Analyte
 %
 %
 Rec. Limits
 LCS Qualifier

 Total Solids
 50.0
 49.9
 99.8
 85.0-115

7 GI

Sr





WG996365 Volatile Organic Compounds (GC) by Method 8015D/GRO

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L920454-01

Method Blank (MB)

(MB)	R3231954-5	07/07/17	00:11

	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	106			77.0-120







Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3231954-3 07/06/	1/ 22:59 · (LCS	D) R3231954-	4 07/06/17 23:	23						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
TPH (GC/FID) Low Fraction	5.50	6.06	6.22	110	113	70.0-136			2.55	20
(S) a,a,a-Trifluorotoluene(FIL))			107	107	77.0-120				





⁷GI

L920449-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L920449-02 07/07/	1/ 04:33 • (MS)	R3231954-8 0	//07/17 07:20 •	(MSD) R32319	954-9 07/07/	17 07:44						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	6.28	ND	5.38	5.20	85.7	82.9	1	10.0-147			3.33	30
(S) a,a,a-Trifluorotoluene(FI	(D)				98.9	99.8		77.0-120				





QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

Method Blank (MB)

(MB) R3231684-1 07/07/17 10:06

(,			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
C10-C28 Diesel Range	U		1.61	4.00
C28-C40 Oil Range	1.06	7	0.274	4.00
(S) o-Terphenyl	91.4			18.0-148

Semi-Volatile Organic Compounds (GC) by Method 8015









Laboratory Control	Sample (LCS	• Laborator	v Control Sample	Duplicate (LCSD)
more or throng worth or	acilibio lanca	1	y control contribute	medaliones (mesm)

(LCS) R3231684-2 07/0	7/17 10:20 • (LCSI	D) R3231684-3	3 07/07/17 10:3	4						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%	_		%	%
C10-C28 Diesel Range	60.0	48.9	55.3	81.5	92.2	50.0-150			12.3	20
(S) o-Terphenyl				95.6	115	18.0-148				













Abbreviations and Definitions

RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U RPD	Not detected at the Reporting Limit (or MDL where applicable). Relative Percent Difference.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD from a quality control sample. The Original Sample may not be included within the reported SDG.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Rec.	Recovery.
Qualifier	Description
В	The same analyte is found in the associated blank.
	The identification of the analyte is acceptable; the reported value is an estimate.





















ACCREDITATIONS & LOCATIONS

ONE LAB. NATIONWIDE.



ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE**.

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina 1	DW21704
lorida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia 1	923	Ohio-VAP	CL0069
daho	TN00003	Oklahoma	9915
llinois	200008	Oregon	TN200002
ndiana	C-TN-01	Pennsylvania	68-02979
owa	364	Rhode Island	221
ansas	E-10277	South Carolina	84004
entucky ¹	90010	South Dakota	n/a
entucky ²	16	Tennessee 14	2006
ouisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas 5	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

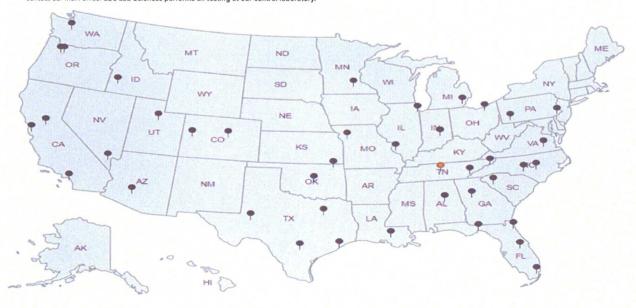
Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA - ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ⁶⁵ Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



Tc

















Que	te Number					Analysis/Container						Lab Information
	XTO Contact Kurt			YTO Contact Phone #					-			1920454
	JAI	-	Kuer	. 7 3 16					1 1		Fo	Office Abbreviations armington = FAR
		9	Sa								Bo	urango = DUR akken = BAK
((V) N)		Total Contract of the last of	andard					Food	10	Pi	aton = RAT ceance = PC
7.6	A Part of the last	ž.	X TO	wo Day hree Day			200	P to pet	12.7		Lo	Roosevelt = RSV La Barge = LB Orangeville = OV
Gray Area	Gray Areas for Lab Use Only!		Date Needed									B183
ample Name	Media	Date	Time	Preservative	No. of Conts.	+						Sample Number
	5	7-5	9:55	90 ICE	(1) FORTHE	X		11				00
PEASING C	1		P. P. Land	The second	la strange descent							
47.5	J 8 30	3.000			A P			-				
	VI A TV	- 10									1	
								1				
										-		
							1					
				. 5								
WW Groundwat	er = GW Dri	nbina U	aster = Di	V Sludge ≈ SG Si	urface Water	= SW	Air = A	Delli	Mucl a	DM C	ther = 0	
and the state of t	Date:		Time:	AND DESCRIPTION OF THE PERSON					Nun	ber o	of Bottle	Sample Condition
	Date:		Time:	77283	8340	158	6		Tem	perat	grey T	Other Information
	Date:		Time:	Received for La	b by: (Signa	ture)	The second		1000000	DE .	Time:	
	30-045 San Te ST Gray Areas	API Number 30-045-2550 Samples on Ice (V) N) Test Reason SPICE Gray Areas for Lab Use ample Name Media S WW Groundwater = GW Dr Date: 7-5- Date:	Email JAMES, API Number 30-045-25509 Samples on Ice (V) N) Test Reason SPILL Gray Areas for Lab Use Only! ample Name Media Date 5 7-5 Date: 7-5-17 Date:	Email Results JAMES, Kuest API Number 30-045-25509 Samples on Ice ((V) N) Test Reason SPILL Gray Areas for Lab Use Only! Date N Date: 7-5-17 Date: Time: 7-5-17 Date: Time:	TAMES, KIET, LOGAL API Number 30-045-25509 Samples on Ice (V) N) Test Reason SPILL Gray Areas for Lab Use Only! Gray Areas for Lab Use Only! Date Needed WW Groundwater = GW Drinking Waster = DW Sludge = SG St Date: Date: Time: Received By: (St Time: Received By: (St Time: Towns) Date: Time: Received for Lab Date: Time: Time	TAMES, LOCAL API Number Sociated Standard API Number Somples on Ice (V) N) Gray Areas for Lab Use Only! Gray Areas for Lab Use Only! Date Time Page of XTO Contact Phone # Sociated Process Sociated Process Sociated Process Next Day Two Day Three Day Same Day Date Needed No. of Conts. Sociated Process No. of Conts. Sociated Process No. of Conts. Time Process Surface Water Date: Time: Time	STO Contact XTO Contact Phone # SOS - 486 - 954 3 Email Results to: JAMES, KLET, Logan API Number 30-045 - 25509 Samples on Ice ((V) N) Test Reason SPILL Gray Areas for Lab Use Only! Gray Areas for Lab Use Only! Date: Time: 7-5-17 Date: Time: 7-83 XTO Contact Phone # SOS - 486 - 954 3 XTO Contact Phone # SOS - 486 - 954 3 XTO Contact Phone # SOS - 486 - 954 3 XTO Contact Phone # SoS - 486 - 954 3 XTO Contact Phone #	TO Contact XTO Contact XTO Contact Phone # So5-486-9543 Email Results to: JAMES, Let Logad API Number 30-045-25509 Samples on Ice (V) N) Test Reason Setundard Next Day Two Day Three Day Same Day Date Needed Time Preservative Conts. WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Date: 7-5-17 Date: Time: 7-8-17 Date: Time: Received By: (Signature) Page _ of	WW Groundwater = GW Drinking Waster = DW Sludge = SG Surface Water = SW Air = A Drill! Date: Takes Saturd Saturd	Page of XTO Contact Phone # So5 - 486 - 954 3 XTO Contact Phone # So5 - 95	WW Groundwater = GW Drinking Waster = DW Sludge = 3G Surface Water = SW Air = A Drill Mud = DM C Date: Date: Time: Rescived for Lop by (Signature) Date: Da	TAMES, LOCAL Benail Results to: JAMES, LOCAL API Number 30-045-25509 Samples on Ice (V) N) Test Reason Some Day Three Day Same Day Date: Time: Date: Time: Date: Time: Date: Time: Received by: (Signature) Page of XTO Contact Phone # SOS - 486 - 954 3 API Number Soundard Facility (V) (E) Solution (V) (V) Standard Page of XTO Contact Phone # SOS - 486 - 954 3 API Number Saturday Delivery (V / (E)) Solution (V) N) Standard Page of XTO Contact Phone # SOS - 486 - 954 3 API Number Soundard Page Facility (V) (E) Solution (V) N) Back Facility (V) N) Page Facility (V) N) Standard Page Facility (V) N) Page Facility (V) N) Page Facility (V) N) Page Facility (V) N) Standard Page Facility (V) N) Page Facility (V) N Page Facilit

^{*} Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

		AB SCIENCES Receipt Form			
Client: XTORNA			SDG#	L72	0454
	7/ 6/17	Temperature:		34	
Received By: Marina Malone					
Signature: Marina	Malone				
Receipt Check List			NP	Yes	No
COC Seal Present / Intact?			1		
COC Signed / Accurate?					
Bottles arrive intact?				-	
Correct bottles used?		and the first than		6	
Sufficient volume sent?				/	
If Applicable				+	
VOA Zero headspace?				_	
THE RESIDENCE OF THE PROPERTY	?		THE RESERVE OF THE PERSON NAMED IN		The same of the sa

PA



ANALYTICAL REPORT

July 10, 2017



XTO Energy - San Juan Division

Sample Delivery Group:

L920454

Samples Received:

07/06/2017

Project Number:

30-045-25509

Description:

Romero GC A #1

Report To:

James McDaniel

382 County Road 3100

Aztec, NM 87410

Entire Report Reviewed By:

Dapline R Richards

Daphne Richards

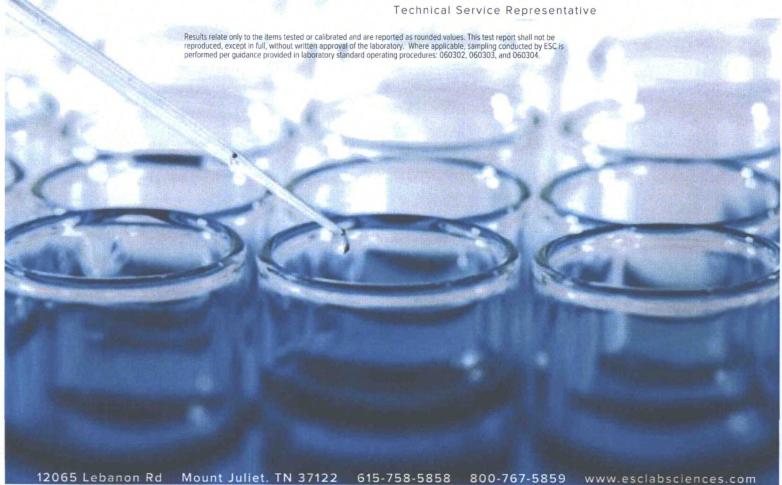


TABLE OF CONTENTS

ONE LAB. NATIONWIDE.



Cp: Cover Page	1
Tc: Table of Contents	2
Ss: Sample Summary	3
Cn: Case Narrative	4
Sr: Sample Results	5
60'-110' X3' L920454-01	5
Qc: Quality Control Summary	6
Total Solids by Method 2540 G-2011	6
Volatile Organic Compounds (GC) by Method 8015D/GRO	7
Semi-Volatile Organic Compounds (GC) by Method 8015	8
GI: Glossary of Terms	9
Al: Accreditations & Locations	10
Sc: Chain of Custody	11



















SAMPLE SUMMARY

ONE LAB. NATIONWIDE.



60'-110' X3' L920454-01 Solid			Collected by Kurt	Collected date/time 07/05/17 09:55	07/06/17 08:45
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG996310	1	07/07/17 09:31	07/07/17 09:40	MLW
Volatile Organic Compounds (GC) by Method 8015D/GRO	WG996365	1	07/06/17 15:21	07/07/17 05:21	JHH
Semi-Volatile Organic Compounds (GC) by Method 8015	WG996297	1	07/06/17 21:36	07/07/17 15:47	KLM





















*

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

2_

²Tc















Technical Service Representative

Dapline R Richards

60'-110' X3'

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.



Collected date/time: 07/05/17 09:55

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	92.5		1	07/07/2017 09:40	WG996310



Volatile Organic Compounds (GC) by Method 8015D/GRO

THE CONTRACTOR	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
TPH (GC/FID) Low Fraction	ND		0.108	1	07/07/2017 05:21	WG996365	
(S) a,a,a-Trifluorotoluene(FID)	104		77.0-120		07/07/2017 05:21	WG996365	



Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
C10-C28 Diesel Range	27.8		4.32	1	07/07/2017 15:47	WG996297
C28-C40 Oil Range	10.3	B	4.32	. 1	07/07/2017 15:47	WG996297
(S) o-Terphenyl	90.2		18.0-148		07/07/2017 15:47	WG996297









Analyte

Analyte

Total Solids

QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L920454-01

Method Blank (MB)

(MB) R3231775-1 07/07/17 09:40

MB Result MB Qualifier MB MDL MB RDL % %

Total Solids 0.000600

Total Solids by Method 2540 G-2011



L919427-07 Original Sample (OS) • Duplicate (DUP)

(OS) L919427-07 07/07/17 09:40 • (DUP) R3231775-3 07/07/17 09:40

Original Result DUP Result Dilution DUP RPD **DUP RPD Limits DUP Qualifier** 85.4 85.1 0.374 5







Laboratory Control Sample (LCS)

(LCS) R3231775-2 07/07/17 09:40

Spike Amount LCS Result LCS Rec. Rec. Limits LCS Qualifier Analyte % % % % 50.0 49.9 99.8 Total Solids 85.0-115







QUALITY CONTROL SUMMARY

ONE LAB. NATIONWIDE.

L920454-01

Method Blank (MB)

(MB) R3231954-5 07/07/17 00:11

(NID) K3231934-3 07/07/17	00.11			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TPH (GC/FID) Low Fraction	U		0.0217	0.100
(S) a,a,a-Trifluorotoluene(FID)	106			77.0-120

Volatile Organic Compounds (GC) by Method 8015D/GRO







Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3231954-3 07/06/1	7 22:59 • (LCS	D) R3231954-	4 07/06/17 23:	23							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%	
TPH (GC/FID) Low Fraction	5.50	6.06	6.22	110	113	70.0-136			2.55	20	
(S) a.a.a-Trifluorotoluene(FID))			107	107	77.0-120					







L920449-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L920449-02 07/07/	17 04:33 • (MS)	R3231954-8 07	7/07/17 07:20 •	(MSD) R32319	954-9 07/07/	17 07:44						
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
TPH (GC/FID) Low Fraction	6.28	ND	5.38	5.20	85.7	82.9	1	10.0-147			3.33	30
(S) a.a.a-Trifluorotoluene(FI	D)				98.9	99.8		77.0-120				





QUALITY CONTROL SUMMARY

ONE LAB, NATIONWIDE.

Method Blank (MB)

(MB) R3231684-1 07/07/17 10:06

MB Result	MB Qualifier	MB MDL	MB RDL
mg/kg		mg/kg	mg/kg
U		1.61	4.00
1.06	1	0.274	4.00
91.4			18.0-148
	mg/kg U 1.06	mg/kg U 1.06 <u>J</u>	mg/kg mg/kg U 1.61 1.06 <u>J</u> 0.274

Semi-Volatile Organic Compounds (GC) by Method 8015







	⁴ C	n
ı		

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplic
--

(LCS) R3231684-2 07/07	//1/ 10:20 • (LCSI	D) R3231684-3	3 0//0//1/ 10:34	1						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
C10-C28 Diesel Range	60.0	48.9	55.3	81.5	92.2	50.0-150			12.3	20
(S) o-Terphenyl				95.6	115	18.0-148				













Abbreviations and Definitions

Qualifier	Description
Rec.	Recovery.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
RPD	Relative Percent Difference.
U	Not detected at the Reporting Limit (or MDL where applicable).
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
MDL	Method Detection Limit.
SDG	Sample Delivery Group.





















TC

Ss

Cn

Sr

Qc

GI

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.*** Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina 1	DW21704
Florida	E87487	North Carolina 2	41
Georgia	NELAP	North Dakota	R-140
Georgia 1	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky 1	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas 5	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

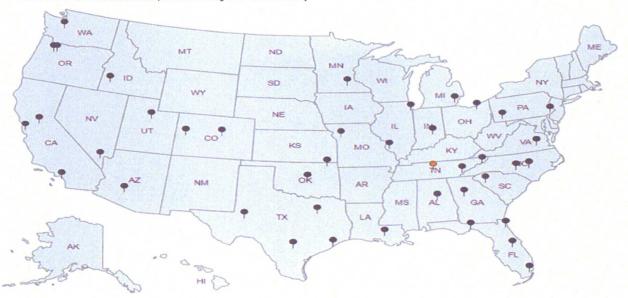
Third Party & Federal Accreditations

A2LA - ISO 17025	1461.01	AIHA-LAP,LLC	100789
A2LA - ISO 170255	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ¹ Chemical/Microbiological ⁵ Mold ^{nb} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



	Que	te Number		1	Till	-		Anal	ysis/C	ontai	ner		Lab Information
XTO	XTO Contact		Page of XTO Contact Phone # 505 - 486 - 954 3			92						1920454	
ENERGY Western Division		JAI		Results	Logar								
RONERO GC A 1	API Number 30-045 - 25509 Samples on Ice		Saturday Delivery (Y / (1))								В	Bakken = BAK	
Collected By	Sam	Samples on Ice		Turnaround			De				14.5	1 12	AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PERSON NAMED IN COLU
Company XTO	1,6	st Reason		X TV			Office Abbreviations Farmington = FAR Durango = DUR Bakken = BAK Raton = RAT Piceance = PC Roosevelt = RSV La Barge = LB Orangeville = OV B183 Sample Number						
Kut Hoepten	Gray Areas	for Lab Use	Only!	Date No	me Day reded		Ŧ		-				B183
	mple Name	Media	Date	Time	Preservative	No. of Conts.							Sample Number
60-110'x3'		5	7-5	9155	ON ICE	(1) FOR THE	X						10
The state of the s		A DECEMBER	1200						-				
- 機		1 1 1 1 1 1	1-1-		A MARCO	-					1	100	第二章 表现的 图像
The state of the s			- 75						-				
					7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			+	1	-			
													建筑基础的图像
								_					
		-					-		-	-			
Media : Filter = F Spil = 5/Wakewater = V	OW Coundwat	on = CW Del	nhina U	lactor = Di	U Skulpa = 60. Su	ufara Water	- CID	Ale - A	Delli	Marel	DM C	Other = (
Relinquished By (Signature)	rw Groundway	Date: 7-5-		Time:	Received By: (Sig	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAME	- , w	AIT = A	Dill	Name and Address of the Owner, where	nber	of Bottle	Name and Address of the Owner, where the Owner, which the Owner, which the Owner, where the Owner, which is the Owne
Relinquished By: (Signature)		Date:		Time:	7783	8340	158	6		Ten	NAME AND ADDRESS OF THE OWNER, WHEN	ture; 7	Other Information
Relinquished By: (Signature)		Date:		Time:	Received for Lat	by (Signal	ture)			Dat	e: -[]	Time:	

^{*} Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

	E LAB SCIENCES er Receipt Form		
Client: XTORNA	SDG#	Ln	0454
Cooler Received/Opened On: 7/ 6/17	Temperature:	34	
Received By: Marina Malone			
Signature: Marina Malona			
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?			110
COC Signed / Accurate?		1	
Bottles arrive intact?		1	-
Correct bottles used?	(中)	6	
Sufficient volume sent?		1	
If Applicable		+	
Annual state in processing the residence of the control of the con	and the state of t		
VOA Zero headspace?		The same of the same of	1

-

Hixon, Logan

From: Smith, Cory, EMNRD < Cory.Smith@state.nm.us>

Sent: Friday, June 16, 2017 8:20 AM

To: Hixon, Logan

Cc: McDaniel, James; Hoekstra, Kurt; Bramwell, Chris; Weaver, John; Dawes, Thomas; Fields,

Vanessa, EMNRD; Powell, Brandon, EMNRD

Subject: RE: Romero Gas Com A 1

Categories: External Sender

Logan,

OCD has reviewed XTO request for alternative closure standards received on June 14 2017.

Sample area 61'x110' will need to be further remediation due the elevated levels of DRO.

No further action will be required for sample areas labeled as 0'-60' and 110'-146'.

Please include this approval in your final C-141 and If you have any additional questions please give me a call.

Cory Smith
Environmental Specialist
Oil Conservation Division
Energy, Minerals, & Natural Resources
1000 Rio Brazos, Aztec, NM 87410
(505)334-6178 ext 115
cory.smith@state.nm.us

From: Hixon, Logan [mailto:Logan_Hixon@xtoenergy.com]

Sent: Wednesday, June 14, 2017 2:41 PM

To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>; Fields, Vanessa, EMNRD <Vanessa.Fields@state.nm.us>; Powell, Brandon, EMNRD <Brandon.Powell@state.nm.us>

Cc: McDaniel, James < James_McDaniel@xtoenergy.com>; Hoekstra, Kurt < Kurt_Hoekstra@xtoenergy.com>; Bramwell, Chris < Chris_Bramwell@xtoenergy.com>; Weaver, John < John_Weaver@xtoenergy.com>; Dawes, Thomas

<Thomas_Dawes@xtoenergy.com>
Subject: RE: Romero Gas Com A 1

Good Afternoon,

We began excavation on this site last week and continued yesterday. We have excavated to a depth of 1'-1.5' across the release area. We collected (3) three composite samples yesterday and received the attached sample results.

We would like to request closure with the sample results attached. The samples returned results of non-detect for benzene, BTEX, and GRO in all (3) three samples. The remaining constituents are DRO and MRO, which are believed to be non-mobile.

Thank you for your consideration on this request, and if you have any questions do not hesitate to contact us.

If you have any questions do not hesitate to contact us.

Thank You!

EHS Coordinator

Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Cell: 505-386 8018 |

Home: 505-320-6133 Logan Hixon@xtoenergy.com

XTO ENERGY INC., an ExxonMobil subsidiary

This document may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, you are on notice that any unauthorized disclosure, copying, distribution or taking of any action in reliance on the contents of this document is prohibited.

From: Hixon, Logan

Sent: Tuesday, June 06, 2017 10:32 AM

To: Smith, Cory, EMNRD < Cory. Smith@state.nm.us >; Fields, Vanessa, EMNRD < Vanessa. Fields@state.nm.us > Cc: McDaniel, James (James McDaniel@xtoenergy.com) < James McDaniel@xtoenergy.com >; Hoekstra, Kurt

< Kurt Hoekstra@xtoenergy.com >; Bramwell, Chris (Chris Bramwell@xtoenergy.com)

<Chris Bramwell@xtoenergy.com>; Weaver, John (John Weaver@xtoenergy.com) < John Weaver@xtoenergy.com>;

Dawes, Thomas (Thomas Dawes@xtoenergy.com) <Thomas Dawes@xtoenergy.com>

Subject: Romero Gas Com A 1

Hello All.

This is to notify you of a release on the Romero Gas Com A 1 location. On May 30, 2017 it was discovered that the polish rod liner connection had mechanically backed off allowing for produced fluids to flow between the rod string and the liner. Approximately (9) nine barrels of fluids were lost. On May 30, 2017 (1) composite sample was collected from the impacted area. The surface sample returned results requiring soil removal at the surface. We would like to begin the soil remediation on Thursday June 8, 2017, at approximately 8:00 A.M. and collect closure samples on the same day.

The site was ranked a 20 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases due to an estimated depth to groundwater less than 50 feet below ground surface. This will set the closure standards to 100 ppm TPH, 10 ppm benzene and 50 ppm total BTEX.

This location has requirements that when entering the location as a non-XTO employee that you be escorted to the site off of the Sullivan road paved road. So if you will call me before you start into location, we will make sure an XTO representative is present to escort you to location.

Thank you for your consideration and if you have any questions do not hesitate to contact us at any time.

If you have any questions do not hesitate to contact us.

Thank You!

EHS Coordinator

Logan Hixon | 382 CR 3100 | Aztec, NM 87410 | ph: 505-333-3100 | Cell: 505-386 8018 |

Home: 505-320-6133| Logan Hixon@xtoenergy.com

XTO ENERGY INC., an ExxonMobil subsidiary

