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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.

TO Energy, I)0, Aztec, Ne deral 27-2 I Land Township 30 N ed Water Transfer Line iven? a (XTO) hed?	Rele	ase Notific	Ation	A and Co OPERAT Contact: Log Telephone N Facility Typ NOF REI South Line FNL Congitude OF RELI Volume of Approxima Date and H July 2, 201 If YES, To	Prrective A FOR gan Hixon No.: (505) 333-3 e: Gas Well (Fr LEASE Feet from the 1940 e: W-108*29889 EASE Release: ntely 50 bbl. lour of Occurrenc 4 at Unknown Ti	e:	Coal) API No est Line WL Volume F	al Report . 30-045-3 County San Juan Recovered: Hour of Dis	0689 40 bbl.	Final Repor	
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$\frac{ X }{a (XTO)}$	Yes 🗌	No 🗌 Not Re	equired		Whom?		ut 1000.				
a (XTO) hed?				Cory Smith	n (NMOCD)			OBUE D	IV DI	ST. 3	
hed?				Date and Hour: July 3, 2014 at 1222 (Atta (14)) CUNS. Dry Dry							
	Was a Watercourse Reached?						rcourse.	1111 2	2 201	4	
acted Describ	he Fully *	:	·· · ·								
10 feet before a site was ran over 100 feet. and Cleanup A via USEPA M this location. s. Remediation d for your refa formation giva are required to onment. The ave failed to a ddition, NMO vs and/or regul	e entering ked a 0 pp . This set .ction Tak lethod 80 The samp n activitio erence. ven above o report an acceptance dequately CD accep lations.	all was excavated a two track road, ursuant to the NM the regulatory lin en.* On July 3, 2 15, BTEX via US les returned eleva es are currently un is true and comp d/or file certain r e of a C-141 repo investigate and r tance of a C-141	, and the where in 10CD G nits to 5 014, a cc EPA Me ted chlo nderway lete to the elease no ort by the emediator report do	t continued a uidelines for <u>000 ppm TP</u> omposite sam thod 8021, a oride results; i . A final C-14 ne best of my otifications a e NMOCD m e contaminatioes not reliev	a at the valve loc pproximately 150 the Remediation H, 10 ppm benzer ople was collected nd for chlorides. ' the NMOCD has 1 will be submitt knowledge and u nd perform correct arked as "Final R on that pose a thr e the operator of	feet to the feet to the of Leaks ne, and 5 Leaks ne, and 5 leaks ne, and 5 leaks ne, and 5 leaks ne, and constant of the samp requested at corresponsibility of the sample	the east in t a, Spills an <u>0 ppm tota</u> the length of ple returned d that clean mpletion o d that purss ons for rel- boses not rel- bound water bility for c	the north rut d Releases. al BTEX. of the spill. T d results be nup activitie of remediation suant to NM eases which ieve the ope r, surface was	of the sam The sam low the s be peon activ OCD r may er rator of ater, hu	avered to the two track pth to nple was regulatory rformed to ities. The ules and ndanger f liability man health y other	
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				Approval Da	<u>te: 9/8/14</u>	E	Expiration	Date:		<u> </u>	
lixon@xtoene	ergy.com	DI 505 222		Conditions of	f Approval:	Attached					
	m and Remed site. An esti- l. The waterlin 10 feet before e site was ran over 100 feet nd Cleanup A via USEPA M this location. s. Remediation d for your ref iformation giv are required to comment. The twe failed to a ldition, NMO is and/or regu	m and Remedial Action site. An estimated 50 4. The waterline valve c 10 feet before entering e site was ranked a 0 pr over 100 feet. This set nd Cleanup Action Tak via USEPA Method 801 this location. The samp s. Remediation activitie d for your reference. iformation given above are required to report an comment. The acceptance the failed to adequately ldition, NMOCD accep is and/or regulations.	m and Remedial Action Taken.* On July site. An estimated 50 bbl. of produced 4. The waterline valve can was excavated 10 feet before entering a two track road, e site was ranked a 0 pursuant to the NN over 100 feet. This set the regulatory lin nd Cleanup Action Taken.* On July 3, 2 via USEPA Method 8015, BTEX via US this location. 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The acceptance of a C-141 report by the dition, NMOCD acceptance of a C-141 report do the sand/or regulations.	m and Remedial Action Taken.* On July 2, 2014, a water leal site. An estimated 50 bbl. of produced water leaked from the 4. The waterline valve can was excavated, and the leak occurrer 10 feet before entering a two track road, where it continued at e site was ranked a 0 pursuant to the NMOCD Guidelines for over 100 feet. This set the regulatory limits to 5,000 ppm TP nd Cleanup Action Taken.* On July 3, 2014, a composite sam via USEPA Method 8015, BTEX via USEPA Method 8021, a this location. The samples returned elevated chloride results; is. Remediation activities are currently underway. A final C-14 d for your reference. iformation given above is true and complete to the best of my are required to report and/or file certain release notifications at ponment. The acceptance of a C-141 report by the NMOCD may failed to adequately investigate and remediate contaminati Idition, NMOCD acceptance of a C-141 report does not reliev and/or regulations. ixw Approved by ixon@xtoenergy.com Conditions of a C-141 report and/or regulations. ixw Approval Dar its If Necessary Whone: 505-333-3683	m and Remedial Action Taken.* On July 2, 2014, a water leak was discovered site. An estimated 50 bbl. of produced water leaked from the pipeline into the t. The waterline valve can was excavated, and the leak occurred at the valve loc 10 feet before entering a two track road, where it continued approximately 150 e site was ranked a 0 pursuant to the NMOCD Guidelines for the Remediation over 100 feet. This set the regulatory limits to 5,000 ppm TPH, 10 ppm benzer nd Cleanup Action Taken.* On July 3, 2014, a composite sample was collected via USEPA Method 8015, BTEX via USEPA Method 8021, and for chlorides. T this location. The samples returned elevated chloride results; the NMOCD has s. Remediation activities are currently underway. A final C-141 will be submitt d for your reference. information given above is true and complete to the best of my knowledge and u are required to report and/or file certain release notifications and perform correct pomment. The acceptance of a C-141 report by the NMOCD marked as "Final R ave failed to adequately investigate and remediate contamination that pose a thr Idition, NMOCD acceptance of a C-141 report does not relieve the operator of rs and/or regulations.	m and Remedial Action Taken.* On July 2, 2014, a water leak was discovered in the priste. An estimated 50 bbl. of produced water leaked from the pipeline into the valve cat. The waterline valve can was excavated, and the leak occurred at the valve located in t 10 feet before entering a two track road, where it continued approximately 150 feet to t te site was ranked a 0 pursuant to the NMOCD Guidelines for the Remediation of Leaks over 100 feet. This set the regulatory limits to 5,000 pm TPH, 10 ppm benzene, and 5 nd Cleanup Action Taken.* On July 3, 2014, a composite sample was collected along this location. The samples returned elevated chloride results; the NMOCD has requested s. Remediation activities are currently underway. A final C-141 will be submitted at cond for your reference. afformation given above is true and complete to the best of my knowledge and understanter required to report and/or file certain release notifications and perform corrective actions and perform corrective actions and perform corrective action on the acceptance of a C-141 report by the NMOCD marked as "Final Report" dive failed to adequately investigate and remediate contamination that pose a threat to grid dition, NMOCD acceptance of a C-141 report does not relieve the operator of responsies and/or regulations. Mono OIL CONSERV Approval Date: 9/8//4 Hixon@xtoenergy.com Conditions of Approval: Conditions of Approval: Wates 505-333-3683	m and Remedial Action Taken.* On July 2, 2014, a water leak was discovered in the produced was site. An estimated 50 bbl. of produced water leaked from the pipeline into the valve can; of the 54 bit. The waterline valve can was excavated, and the leak occurred at the valve located in the can. The to the before entering a two track road, where it continued approximately 150 feet to the east in 10 feet. This set the regulatory limits to 5,000 ppm TPH, 10 ppm benzene, and 50 ppm tot nd Cleanup Action Taken.* On July 3, 2014, a composite sample was collected along the length of user 100 feet. This set the regulatory limits to 5,000 ppm TPH, 10 ppm benzene, and 50 ppm tot nd Cleanup Action Taken.* On July 3, 2014, a composite sample was collected along the length of its USEPA Method 8015, BTEX via USEPA Method 8021, and for chlorides. The sample returned elevated chloride results; the NMOCD has requested that clea for your reference. Is composite same currently underway. A final C-141 will be submitted at completion or d for your reference. Information given above is true and complete to the best of my knowledge and understand that pursure required to report and/or file certain release notifications and perform corrective actions for rel comment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve failed to adequately investigate and remediate contamination that pose a threat to ground wate is and/or regulations. Mapproved by Environmental Specialist: Approval Date: 9/8//4 Expiration Approval: 2619 Phone: 505-333-3683 The MCCS /480, 51, 36, 37, 9	m and Remedial Action Taken.* On July 2, 2014, a water leak was discovered in the produced water transpor site. An estimated 50 bbl. of produced water leaked from the pipeline into the valve can; of the 50 bbl. releat. The waterline valve can was excavated, and the leak occurred at the valve located in the can. The produced 10 feet before entering a two track road, where it continued approximately 150 feet to the east in the north rut e site was ranked a 0 pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. over 100 feet. This set the regulatory limits to 5,000 ppm TPH, 10 ppm benzene, and 50 ppm total BTEX. nd Cleanup Action Taken.* On July 3, 2014, a composite sample was collected along the length of the spill. This Stip Stray and the devated chloride results; the NMOCD has requested that cleanup activities is. Remediation activities are currently underway. A final C-141 will be submitted at completion of remediatiod d for your reference. iformation given above is true and complete to the best of my knowledge and understand that pursuant to NM ure required to report and/or file certain release notifications and perform corrective actions for releases which moment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the ope to failed to adequately investigate and remediate contamination that pose a threat to ground water, surface wis idition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance visa s and/or regulations. <u>Approval Date: 9/8//4</u> Expiration Date: <u>Approval Date: 9/8//4</u> Expiration Date: <u>Attached</u> <u>Attached</u> <u>Attached</u> <u>Attached</u> <u>Attached</u> <u>Attached</u> <u>Attached</u> <u>Attached</u>	m and Remedial Action Taken.* On July 2, 2014, a water leak was discovered in the produced water transport line v site. An estimated 50 bbl. of produced water leaked from the pipeline into the valve can; of the 50 bbl. released, 40 t. The waterline valve can was excavated, and the leak occurred at the valve located in the can. The produced water the off off off off off off off off off off	

Hoekstra, Kurt

From:	Hoekstra, Kurt
Sent:	Thursday, July 03, 2014 12:22 PM
То:	'Cory.Smith@state.nm.us'
Cc:	McDaniel, James (James_McDaniel@xtoenergy.com); Hixon, Logan; Rector, Mike
Subject:	24 Hour Notification WF Federal 27 #2 W1-Z Water Can

Please accept this email as the required 24 Hour notification of a produced water leak at the W1-Z water can near the WF Federal 27 # 2 location.

API # 30-045-30689, Unit C, Sec. 27, T-30N, R-14W. Lat. 36.7645, Long -108.2851 San Juan County New Mexico. On 7-2-2014 at approximately 4:00 pm. A produced water leak was reported at the water can near the WF Federal 27 # 2 location, the line going to the water can was shut-in and it was estimated that approximately 50 BBL's of produced water leaked from the water line into the valve can. The produced water came out of an opening in the valve can and traveled east following a two track power line road approximately 160ft. A water truck was called and recovered 40 BBL's of produced water from the valve can. On 7-3-2014 a composite soil sample was collected and will be analyzed for TPH 8015, BTEX 8021, and chlorides. A vacuum trailer removed the soil covering the water line and repairs are in progress.

Kurt Hoekstra EHS Coordinator XTO Energy 505-333-3202 Office 505-486-9543 Cell Kurt Hoekstra@xtoenergy.com



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12065 Lebanon Rd. Mt. Juliet, TN 37122 (615) 758-5858 1-800-767-5859 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Kurt Hoekstra XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410

Report Summary

Monday July 14, 2014

Report Number: L708701

Samples Received: 07/08/14

Client Project:

Description: WFFED 27-2 Water Can WI-Z

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

VX1

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Page 1 of 5



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Kurt Hoekstra

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Est. 1970

July 14,2014

XTO Energy – San Juan Division 382 County Road 3100 Aztec, NM 87410						
Date Received : July 08, 3	2014 27 Cap WI-7		ESC	Sample # :	L708701-01	
Description . wred 27-2 wat	er Call WI-2		Sit	e ID :		
Sample ID : FARKH-070314-0	845		Dro	vient # ·		
Collected By : Kurt Collection Date : 07/03/14 08:45			110	, jecc # .		
Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	27000	540	mg/kg	9056	07/10/14	50
Total Solids	93.4		8	2540 G-2011	07/10/14	1
Benzene Toluene Ethylbenzene Total Xylene TPH (GC/FID) Low Fraction	BDL BDL BDL BDL BDL	0.0027 0.027 0.0027 0.0080 0.54	mg/kg mg/kg mg/kg mg/kg mg/kg	8021/8015 8021/8015 8021/8015 8021/8015 GRO	07/10/14 07/10/14 07/10/14 07/10/14 07/10/14	5 5 5 5 5
Surrogate Recovery-%	00.2		e Dee	0001/0015	07/10/14	E
a,a,a-Trifluorotoluene(FID) a,a,a-Trifluorotoluene(PID)	102.		% Rec.	8021/8015	07/10/14	5
TPH (GC/FID) High Fraction	17.	4.3	mg/kg	3546/DRO	07/10/14	1
o-Terphenyl	70.6		% Rec.	3546/DRO	07/10/14	1

REPORT OF ANALYSIS

Results listed are dry weight basis. BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) Note: This report shall not be reproduced, except in full, without the written approval from ESC. The reported analytical results relate only to the sample submitted Reported: 07/14/14 16:51 Printed: 07/14/14 16:52

Page 2 of 5

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Summary of Remarks For Samples Printed 07/14/14 at 16:52:12

TSR Signing Reports: 288 R5 - Desired TAT

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Domestic Water Well Sampling-see L609759 Lobato for tests $\mbox{ EDD's on ALL projects }\mbox{ email James, Kurt and Logan all reports}$

Sample: L708701-01 Account: XTORNM Received: 07/08/14 09:00 Due Date: 07/15/14 00:00 RPT Date: 07/14/14 16:51



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XTO Energy - San Juan Division Kurt Hoekstra 382 County Road 3100

Aztec, NM 87410

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Quality Assurance Report Level II L708701

July 14, 2014

		Laboratory	Blank			
Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Total Solids	< .1	20			WG730706	07/10/14 07:36
TPH (GC/FID) High Fraction	< 4	mg/kg	50.50	50.450	WG730609	07/09/14 21:34
o-Terphenyl		* Rec.	78.50	50-150	WG730609	07/09/14 21:34
Chloride	< 10	mg/kg			WG730804	07/10/14 15:45
Benzene	< .0005	mg/kg			WG730814	07/10/14 18:33
Ethylbenzene	< .0005	mg/kg			WG730814	07/10/14 18:33
Toluene	< .005	mg/kg			WG730814	07/10/14 18:33
TPH (GC/FID) Low Fraction	< .1	mg/kg			WG730814	07/10/14 18:33
Total Xylene	< .0015	mg/kg			WG730814	07/10/14 18:33
a,a,a-Trifluorotoluene(FID)		% Rec.	99.60	59-128	WG730814	07/10/14 18:33
a,a,a-Trifluorotoluene(PID)		% Rec.	1.04.0	54-144	WG730814	07/10/14 18:33

			Duplicate				
Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Total Solids	8	84.3	81.8	3.00	5	L708716-03	WG730706
Chloride	mg/kg	21000	25200	17.0	20	L708701-01	WG730804

		Laboratory Cor	ntrol Sample			
Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Total Solids	9	50	50.0	100.	85-115	WG730706
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	60	48.2	80.3 74.70	50-150 50-150	WG730609 WG730609
Chloride	mg/kg	200	205.	103.	80-120	WG730804
Benzene	mg/kg	.05	0.0486	97.1	70-130	WG730814
Ethylbenzene	mg/kg	.05	0.0489	97.7	70-130	WG730814
Toluene	mg/kg	.05	0.0487	97.3	70-130	WG730814
Total Xylene	mg/kg	.15	0.148	99.0	70-130	WG730814
a,a,a-Trifluorotoluene(FID)				100.0	59-128	WG730814
a,a,a-Trifluorotoluene(PID)				104.0	54-144	WG730814
TPH (GC/FID) Low Fraction	mg/kg	5.5	5.27	95.9	63.5-137	WG730814
a,a,a-Trifluorotoluene(FID)				99.50	59-128	WG730814
a,a,a-Trifluorotoluene(PID)				112.0	54-144	WG730814

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
TPH (GC/FID) High Fraction o-Terphenyl	mg/kg	48.9	48.2	81.0 79.30	50-150 50-150	1.46	20	WG730609 WG730609
Chloride	mg/kg	204.	205.	102.	80-120	0.0	20	WG730804

* Performance of this Analyte is outside of established criteria. For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

Page 3 of 5



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Aztec, NM 87410

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Quality Assurance Report Level II

L708701

July 14, 2014

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		Laborator	y Control	Sample Dupl	licate				
Analyte	Units	Result	Ref	%Rec	L:	imit	RPD	Limit	Batch
Benzene	ma/ka	0 0480	0 0486	96.0	71	0-130	1 10	20	WG730814
Ethylbenzene	mg/kg	0.0481	0.0400	96.0	7()-130	1 60	20	WG730814
Toluene	mg/kg	0.0401	0.0403	95.0	7() -130	1 92	20	WG730814
Total Vylono	mg/kg	0.0477	0.0407	93.0	71)-130	1 73	20	WG730014 WG730014
a a a-Trifluerateluera/FID)	mg/ xg	0.140	0.140	00 00	51	0-100	1.,5	20	WG730014
a, a, a-iiiiiuorotoluene (FID)				39.90	J:	9-120			WG730014
TPU (CC/PID) I au Emantian		1 00	F 07	104.0		1 - 1 4 4 D E 1 3 7	7 50	20	WG/30014
IPH (GC/FID) LOW Fraction	mg/ kg	4.89	5.27	89.0	0.	3.3-13/	7.52	20	WG/30814
a, a, a-Trifluorotoluene (FID)				100.0	5:	9-128			WG/30814
a, a, a-frifiuorototuene (PID)				112.0	54	1-144			<u>WG730814</u>
			Matrix	Spike					
Analyte	Units	MS Res	Ref R	es TV	% Rec	Limi	t	Ref Samp	Batch
TPH (GC/FID) High Fraction	mg/kg	74.9	16.0	60	98.0	50-1	50	L708701-01	WG730609
o-Terphenyl					60.00	50-1	50		WG730609
Benzene	mg/kg	0.238	0.000	383 .05	95.0	49.7	-127	L708790-01	WG730814
Ethylbenzene	ma/ka	0.240	0.000	405 .05	96.0	40.8	-141	L708790-01	WG730814
Toluene	ma/ka	0.242	0.000	935 .05	96.0	49.8	-132	L708790-01	WG730814
Total Xylene	ma/ka	0.717	0.001	34 .15	95.0	41.2	-140	L708790-01	WG730814
a,a,a-Trifluorotoluene(FID)	5. 5				99.40	59-13	28		WG730814
a, a, a-Trifluorotoluene (PID)					103.0	54-1	44		WG730814
TPH (GC/FID) Low Fraction	ma/ka	23.2	0.111	5.5	84.0	28.5	-138	L708790-01	WG730814
a,a,a-Trifluorotoluene(FID)	5.5				99.60	59-1	28		WG730814
a,a,a-Trifluorotoluene(PID)					110.0	54-1	44		WG730814
		Mət	riv Sniko	Duplicate					
Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	: Ref Samp	Batch
TRU (CC/DID) Mich Exaction		77 6	74.0	100	E0 1E0	2 40	20	1 700701 01	MCTOCOO
n Marphonul	mg/kg	//.0	/4.9	103.	50-150	5.48	20	P108101-01	WG730609
0-lerbuenyl				55.40	20-120				WG/20009
Benzene	mg/kg	0.250	0.238	99.8	49.7-127	4.94	23.5	L708790-01	WG730814
Ethylbenzene	mg/kg	0.247	0.240	98.6	40.8-141	2.85	23.8	L708790-01	WG730814
Toluene	mg/kg	0.249	0.242	99.3	49.8-132	2.87	23.5	L708790-01	WG730814
Total Xylene	mg/kg	0.736	0.717	97.9	41.2-140	2.59	23.7	L708790-01	WG730814
a,a,a-Trifluorotoluene(FID)				99.00	59-128				WG730814
a,a,a-Trifluorotoluene(PID)				103.0	54-144				WG730814
TPH (GC/FID) Low Fraction	mg/kg	23.7	23.2	85.8	28.5-138	1.98	23.6	L708790-01	WG730814
a,a,a-Trifluorotoluene(FID)	-			100.0	59-128				WG730814
a,a,a-Trifluorotoluene(PID)				111.0	54-144				WG730814

Batch number /Run number / Sample number cross reference

WG730706:	R2958776:	L708701-
WG730609:	R2959249:	L708701-
WG730804:	R2959751:	L708701-
WG730814:	R2961368:	L708701-

* Calculations are performed prior to rounding of reported values.
 * Performance of this Analyte is outside of established criteria.
 For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



YOUR LABOF CHOICE

XTO Energy - San Juan Division Kurt Hoekstra 382 County Road 3100

Aztec, NM 87410

Quality Assurance Report Level II

L708701

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier. 12065 Lebanon Rd. Mt. Juliet, TN 37122 (615) 758-5858 1-800-767-5859 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

July 14, 2014

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