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

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.

	1220 S. St. France	cis Dr., Santa	a Fe, NM 87505	;	Sa	ınta F	e, NM 875	05									
				Rele	ease Notific	atio	n and Co	rrective A	ction	1							
							OPERA'	ГOR		☐ Initia	l Report	\boxtimes	Final R	tepor			
	Name of Co	mpany: X	TO Energy.	Inc.			Contact: Ku										
ľ			00, Aztec, N		ico 87410			No.: (505) 333-3	100								
l	Facility Nan						Facility Type: Gas Well (Basin Fruitland Coal)										
ſ	Surface Ow	ner: Privat	te		Mineral C)wner				API No	30-045-3	1287					
_							N OF REI	FASE									
ſ	Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/V	West Line	County	~					
ĺ	r	20		ĺ	1600		CNII	1070		237/1		Can I	uon.				
L	Е	28	30N	12W	1600	1	FNL	1070		FWL		San Ju	uan				
]	Latitude: <u>36.78</u> 6	667	Longitud	e: <u>-108.10833</u>									
					NAT	URE	OF REL										
			nsate/Produce					Release: Unknow			lecovered: 1						
	Source of Re	lease: Belo	w Grade Tank			Unknown	lour of Occurrenc	e	8:45 am	Hour of Dis	covery	y: 10-13-2	2013				
	Was Immedia	ate Notice (7 2 2 2 2 2		- If YES, To	Whom?									
ļ	D 111 0	- a		Yes L	No Not R	equired		*									
	By Whom? Was a Water	Course Dee	ohad?				Date and Hour If YES, Volume Impacting the Watercourse.										
Į	was a water	course Rea		Yes 🗵] No		II ILS, V	olume impacting t	iie wat		CVD FEB	10:	7 /				
ļ	If a Watercou	irse was Im	pacted, Descr	ibe Fully.	*						OVE COMS						
											DIST						
		_															
								moved at the McO JSEPA Method 80									
								s of, 0.2 ppm benz				SEPA	Method				
	250 ppm for	chlorides, b	out above the	100 ppm 1	ΓPH standard at 10	64 ppm	via USEPA N	Aethod 418.1 conf	irming	that a releas	se has occur			ion.			
								Leaks, Spills and 0 ppm TPH, 10 pp									
1	Describe Are	a Affected	and Cleanup	Action Ta	ken.* The below	grade ta	ink closure sai	nple was analyzed	for DI	RO/GRO vi	a USEPA M	1ethod	8015,				
	returning rest is required re			.56 mg/kg	g respectively. Thi	s is bel	ow the 100 pp	m TPH closure sta	andard	determined	for this site	. No f	urther act	ion			
				iven abov	e is true and comp	olete to	the best of my	knowledge and u	ındersta	ind that purs	suant to NM	OCD	rules and				
	regulations a	ll operators	are required t	to report a	nd/or file certain	release i	notifications a	and perform correct	ctive ac	tions for rel	eases which	may e	endanger				
								narked as "Final R ion that pose a thr									
								we the operator of						.1111			
			ws and/or reg														
		. / /	1 1 1					OIL CON	SERV	ATION	DIVISIO	<u>NC</u>	,				
	Signature: /	KA H	tille.	-						\wedge	\mathbb{I}	11	ſ				
	Signature: 7						Approved by	Environmental S	pecialis	st: YN		Kell	M				
	Printed Name	e: Kurt Hoo	ekstra							(<u>[</u>	-		0	 -			
	Title: EHS C	oordinator				,	Approval Da	ate: 3/3/201	4	Expiration	Date:						
			Jackstra@ut-		m			, ,	•								
	L-man Augre	SS. NUIL F	Hoekstra@xtoo	mergy.com			Conditions of	и Арргочаі:			Attached	i 🗆					

* Attach Additional Sheets If Necessary

Phone: 505-333-3100

Date: 1-27-2014

nJK 1406241835



Analytical Report

Report Summary

Client: XTO Energy Inc.

Chain Of Custody Number: 0429

Samples Received: 10/8/2013 1:45:00PM

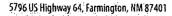
Job Number: 98031-0528 Work Order: P310029

Project Name/Location: McCoy Gas Com D #3

Entire Report Reviewed By:	 	Date:	10/10/13	_

Tim Cain, Laboratory Manager

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.







382 CR 3100 Aztec NM, 87410 Project Name:

McCoy Gas Com D #3

Project Number: Project Manager: 98031-0528 James McDaniel Reported:

10-Oct-13 08:43

Analyical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BGT Cellar	P310029-01A	Soil	10/08/13	10/08/13	Glass Jar, 4 oz.





382 CR 3100

Aztec NM, 87410

Project Name:

McCoy Gas Com D #3

Project Number: Project Manager: 98031-0528

James McDaniel

Reported:

10-Oct-13 08:43

BGT Cellar P310029-01 (Solid)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Total Petroleum Hydrocarbons by 418.1	v 	. <u></u>						·	
Total Petroleum Hydrocarbons	164	20.0	mg/kg	1	1341025	10/09/13	10/09/13	EPA 418.1	В





Project Name:

McCoy Gas Com D #3

382 CR 3100

Project Number: Project Manager: 98031-0528

Reported:

Aztec NM, 87410

James McDaniel

10-Oct-13 08:43

Total Petroleum Hydrocarbons by 418.1 - Quality Control

Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1341025 - 418 Freon Extraction										
Blank (1341025-BLK1)				Prepared &	: Analyzed:	09-Oct-13				
Total Petroleum Hydrocarbons	28.0	20.0	mg/kg							
Duplicate (1341025-DUP1)	Source	e: P310029-	01	Prepared &	: Analyzed:	09-Oct-13				
Total Petroleum Hydrocarbons	183	19.9	mg/kg		164			11.3	30	
Matrix Spike (1341025-MS1)	Source: P310029-01			Prepared & Analyzed: 09-Oct-13						
Total Petroleum Hydrocarbons	509		mg/L	500	41.0	93.6	80-120			





Project Name:

McCoy Gas Com D #3

382 CR 3100

Project Number:

98031-0528

Reported:

Aztec NM, 87410

Project Manager:

James McDaniel

10-Oct-13 08:43

Notes and Definitions

B Analyte is found in the associated blank as well as in the sample.

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



Rust					
	Quote Number	Page of		Analysis	
XTO	KURT HORKSTER	XTO Contact Phone # 505 -486 - 954 3	1		
THE RESERVE THE PARTY OF THE PARTY.	P!! D.	andra ka	i 1	1 1 1	1

115		Quot	e Number		1					А	naly	SIS			Lab Information
						Page of									——————————————————————————————————————
)	XTC	Contact	E0 10		XTO Contact Pho									980310528
ENERGY	•	KURT	HOEKS	Emai	Results	<u>505 -486 -9</u>	13# <u>3</u>	1							Office Abbreviations Farmington = FAR Durango = DUR Babben = BAK Raton = RAT Piceance = PC Roosevelt = RSV La Barge = LB Orangeville = OV Sample Number P3 0009 = 01
Western Division		- 10	A.C.	1	1	:1									
		JAMES	Number	<u>s-, Ku</u>	eTHO	EKSTEM - D	sho Hu	10N			.				·
McCov GAS Com 3	3 * 3	30-04	15-317 ples on Ice	287	7	SCT CLOSE	wet		:						Bakken = BAK
Collected By						Turnaround		Ţ.,							
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Company XTO /		Ų A/QQ	Kequeste		T.	uo Day	> 177	4	·		ľ				
Signature / / / /			<u> </u>			ree Day									Orangeville = OV
Kurt Hackell	100	Gray Areas I	for Lab Use	Only!	Date No	I. 5 Bus. Days (by	contract)	Y						l	
		200					No. of	4							
Sample ID	\$am	ple Name	Media	Date	Time	Preservative	Conts.								Sample Number
FARKH-100813-1320	BGT	CELLAR.	S	10/8	1:20	Cool	<u> </u>	X			· · · ·				P310029-01
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Media : Filter = JF Soil = 5 Wasty	unter = Wil	U Granndunte	e GW D	inhina U	Varter = D		urface Wate	- ≌: (U	Λi	- m Δ	Deill	Mud	= DM	Othe	r = OT
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Lust Dockski	ر ن			13	1.45	Received by. (vig	musuic)								
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Dalimuddiad Dorde	<u>:</u>	• • • • • • • • • • • • • • • • • • • •	D	5	444			12.25		and water					Other Information
Relinquished By: (Signature)	-		Date:		Time:	Received for Lab	DV Cygna					Date /0/\$		Time	
Comments			<u> </u>									2000	2 × 2 × 2× × × 4		
						المستعدد الم									.*

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



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

Thursday October 10, 2013

Report Number: L662024 Samples Received: 10/09/13 Client Project:

Description: McCoy Gas Com D #3

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:

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

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

Note: The use of the preparatory EPA Method 3511 is not approved or endorsed by the CA ELAP.

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REPORT OF ANALYSIS

October 10,2013

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

ESC Sample # : L662024-01

October 09, 2013 McCoy Gas Com D #3 Date Received : Description :

Site ID :

Sample ID FARKH-100813-1320

Project # :

Collected By Kurt Hoekstra Collection Date : 10/08/13 13:20

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	25.	11.	mg/kg	9056	10/09/13	1
Total Solids	88.5	0.100	8	2540 G-2011	10/10/13	1
Benzene Toluene Ethylbenzene Total Xylene TPH (GC/FID) Low Fraction Surrogate Recovery-% a,a,a-Trifluorotoluene(FID)	BDL BDL BDL BDL BDL	0.0028 0.028 0.0028 0.0085 0.56	mg/kg mg/kg mg/kg mg/kg mg/kg	8021/8015 8021/8015 8021/8015 8021/8015 GRO 8021/8015	10/09/13 10/09/13 10/09/13 10/09/13 10/09/13	5 5 5 5 5 5
a,a,a-Trifluorotoluene(PID)	101.		% Rec.	8021/8015	10/09/13	5
TPH (GC/FID) High Fraction Surrogate recovery(%)	5.4	4.5	mg/kg	3546/DRO	10/10/13	1
o-Terphenyl	68.3		% Rec.	3546/DRO	10/10/13	1

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: 10/10/13 15:00 Printed: 10/10/13 15:00

Summary of Remarks For Samples Printed 10/10/13 at 15:00:24

TSR Signing Reports: 288 R2 - Rush: Next Day

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

Sample: L662024-01 Account: XTORNM Received: 10/09/13 09:30 Due Date: 10/10/13 00:00 RPT Date: 10/10/13 15:00



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

Aztec, NM 87410

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

Quality Assurance Report Level II

L662024

October 10, 2013

Analyte	Result	intel growings	oratory B nits	lank % Rec		Limit		Batch	Date	Analyzed
,				with the late	jahtsessesses cate	Addishing to the London Land	usadud fakishba basub			
Benzene Ethylbenzene	< .0005 < .0005		j/kg j/kg							/13/06:5 /13 06:5
Toluene	< .005	mc	g/kg	Willers Branchauld	s la disense passagen	on constant and the distriction of the second		WG685696	10/09	/13 06:5
TPH (GC/FID) Low Fraction Total Xylene	< .1 < .0015		ı/kg							/13 06:5 /13 06:5
a,a,a-Trifluorotoluene(FID)	Divorperated Production in the	*	Rec.	100.0	00%-25-105-14-5049	59-128	255014400404005544	WG685696	10/09	/13 06:5
a;a;a=Trifluorotoluene(PID)			Rec.	103.0		54-144		WG685696	10/09	/13 06:5
Total Solids	< .1	*	onkerektanismismismi	rescutter ences	19302001233912950050		SSTEMBLE ET LENGUESE	WG686190	10/10	/13 09:3
TPH (GC/FID) High Fraction	< 4	mc	dia	iniğiki.	PPROGRAMMA		zenik muliku	WG686238	3 10/10	/13 09:3
o-Terphenyl	en e	*	Rec.	69.6	O esterna só tras reces	50-150		WG686238	3 10/10	/13 09:3
Chloride	< 10	mg	j∕kg	in way in war		Hadister RWH sidther 1816		WG686110	10/09	/13 13:3
			Dúplicat	Traff.						
Analyte	Units	Result	Dupli		RPD	Limit		Ref Sam	np	Batch
Total Solids	8	89.2	88.8		0.420	15	724 4	L66201	9-04	WG68619
Chloride	/1						ortigorer oogsagigiine			(170.61 , 61)
Ciror Ide	mg/kg	1300	1300		0.0	20		L661634	1-06	WG68611
Analyte	Units	Labora Known	tory Contr Val	ol:Samp Res		% Rec		Limit		Batch

Benzene Ethylbenzene	mg/kg mg/kg	.05		0.056		112.		70-130 70-130		WG68569 WG68569
Toluene	mg/kg	.05	Operanda Marana antono.	0.056	2	112.	KON COLUMN J. G. S. N. L. A. C. L. A.	70-130	S.M. 1.088.11.12.1	WG68569
Total Xylene (PID) a,a,a-Trifluorotoluene(PID)	mg/kg	15		0.162		108. 102.0		70-130 54-144	Nejîr Ne	WG68569 WG68569
TPH (GC/FID) Low Fraction	mg/kg	5.5	mp.Kris.parker i helifika a.a.a.	6.55	and access from the	119.	en - altakardanies es	63.5-13	7	WG68569
a;a;a-Trifluorotoluene(FID)						101.0		59-128		WG68569
Total Solids	% 54 1::::(100000000000000000000000000000000	50	- 14.154646-) 64.4465684	50.0	nistadaes minimizada	100.	DALOJANSKI TRALBOOM	85-115	onalamana	WG68619
TPH (GC/FID) High Fraction	mg/kg	. 60		40.3		67.1		50-150		WG68623
o-Terphenyl		ni - 1 dalak wa angan 1945 dala	Salandrija Colelland	-950FATULALULA		69.80	Maria Notice - Notice - The Land	50-150	nnigera, kolengimi	WG68623
Chloride	mg/kg	200		182.		91.0		80-120		WG68611
	dist.	CONTRACTOR CONTRACTOR		energes we	KEPTRIJAGI BANNEK					
Analyte	Units	aboratory Result	Ref	mpie Du %Rec	PIICACE	Limit	RPD	L	imit	Batch
Benzene	ma/ka	0.0547	0.0561	109:			# -2.57	iiii iiii iii nin	o (1444)	 WG68569
Ethylbenzene	mg/kg	0.0542	0.0555	108.	PREPARE CAMPBER	70-130	2.27	2	0	WG68569
Toluene Total Xylene	mg/kg mg/kg	0.0548	0.0562 0.162	110. 105.		70-130 70-130	2.55 2.48	2		WG68569
a,a,a-Trifluorotoluene(PID)		4942	Ser Charmer manager	102.0	C107.11.5.13.1.10.10.10.10.10	54-144	CARLES AND	12 × 3 + 4 5 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		WG68569
TPH (GC/FID) Low Fraction a,a,a-Trifluorotoluene(FID)	mg/kg	6.33	6.55	115. 101.0		63.5-137 59-128	3.34	2	o Militari quest	WG68569
AND COME AND REAL PROPERTY AND	rrunggi PMPSSAN MERANGKA	errordetretbekenne	arentelegybberli blikkl ik	HARLANT H	Sperioritis (Physical Company)	mazzaten Militi	minimus and and a	ymehanen i i i i i i i i i i i i i i i i i i	terkkinyyEP	#11/2/2/0201

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



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

Aztec, NM 87410

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

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Quality Assurance Report Level II

L662024

October 10, 2013

Analyte		Laborator Result	y Control Ref	Sample Dup.	licate Li	mit	RPD	Limit	Batch
TPH (GC/FID) High Fraction	≋mg/kg	37.8	40/3	63.0 66.10	U		6.28	∌20	WG686238 WG686238
Chloride	mg/kg	178.	182.	89.0	80	-120	2.22	20	WG686110
Analyte	Units	MS Res	Matrix S Ref Re		% Rec	Limit		Ref Samp	Batch
Benzene	mq/kq	0.248	0.0.5	.05	99.0	19.7-	127	L661192-01	WG685696
Ethylbenzene	mg/kg	0.175	0.0	.05	70.0	40.8-		L661192-01	WG685696
Toluene	mg/kg	0.214	0.0011		85.0	49.8-		L661192-01	WG685696
Total Xylene a,a,a-Trifluorotoluene (PID)	mg/kg	0.504	0.0	.15	67.0 100.0	41.2- 54-14		L661192-01	WG685696 WG685696
TPH (GC/FID) Low Fraction	mg/kg	21.8	0.0	5.5	79.0	28.5-		L661192-01	WG685696
a a a a Trifluorotoluene (FID)		rai Tra	moriji.	aregra žišš astu	98.80	59-12			WG685696
See Lynn 1990 of Section 2011, Control of Management 101, 101, 101, 101, 101, 101, 101, 101		California manifesta a manifesta a manifesta de la compansión de la compan	gg.,	COLUMN TENENT CONTRACTOR CONTRACT	Charles and the second of the			to the second of	
TPH (GC/FID) High Fraction	mg/kg	41.7	1.90	60	66.0	50-15		L662092-01	WG686238
o-Terphenyl					73.50	50-15	0 !!!!!!!!!!!!		WG686238
Chloride	mg/kg	816.	340.	500	95.0	80-12	0	L661634-01	WG686110
		***************************************	activity and trace	Duplicate					
Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	t Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	19.0	21.8	69.1	28.5-138	13.8	23.6	L661192-01	WG685696
a,a,a-Trifluorotoluene(FID)	.,			98.80	59-128				WG685696
Benzene Ethylbenzene	mg/kg mg/kg	0.217 0.188	0.248 0.175	86.9 75.1	49.7-127 40.8-141	13.1 6.85	23.5 23.8	L661192-01 L661192-01	WG685696 WG685696
Toluene	mg/kg	0.208	0.214	73.1 82.7	49.8-132	3.06	23.5	L661192-01	WG685696
Total Xylene	mg/kg	0.547	0.504	73.0	41.2-140	8.25	23.7	L661192-01	WG685696
a,a,a-Trifluorotoluene(PID)	Miklik	HERKER		101.0	54-144				WG685696
TPH (GC/FID) High Fraction O-Terphenyl	mg/kg	34.4	41.7	54.2	50-150 50-150	19.1	20	L662092-01	WG686238
On ter birent to the state of t		Missilia (Albanda Sil	stocking of the	71.90	- 5U-T2U		ydayihy(225).		wG000238
Chloride	mq/kq	801.	816.	92.2	80-120	1.86	20	L661634-01	WG686110
	JJ								

Batch number /Run number / Sample number cross reference

WG685696: R2838350: L662024-01 WG686190: R2838560: L662024-01 WG686238: R2838682: L662024-01 WG686110: R2838728: L662024-01

^{*} 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.'



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

Aztec, NM 87410

Quality Assurance Report Level II

L662024

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.

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Tax I.D. 62-0814289

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October 10, 2013

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