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

Type of Release: Produced Water

Was Immediate Notice Given?

Source of Release: Below Grade Tank

State of New Mexico **Energy Minerals and Natural Resources**

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

RECEIVED

Form C-141 Revised August 8, 2011

JAN 1 5 2015

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

Volume Recovered: None

Date and Hour of Discovery: 11-5-2014

DICTRICT III

							V DISTRIC	1 111 /					
Name of Company: XTO Energy, Inc. Address: 382 Road 3100, Aztec, New Mexico 87410 Facility Name: Fred Feasel J # 1 Contact: Kurt Hoekstra Telephone No.: (505) 333-3100 Facility Type: Gas Well (Angels Peak Dakota)													
					OPERA'	TOR	☐ Initia	al Report	\boxtimes	Final Report			
Name of Co	ompany: X	TO Energy,	Inc.		Contact: Ku	Contact: Kurt Hoekstra							
Address: 38	32 Road 31	00, Aztec, N	New Mex	ico 87410	Telephone 1	No.: (505) 333-2	3100						
Facility Na	me: Fred F	easel J # 1			Facility Typ	e: Gas Well (A	ngels Peak Dakot	Peak Dakota)					
Surface Ow	ner: Feder	al		Mineral C	Owner	· · · · · · · · · · · · · · · · · · ·	API No	.: 30-045-0	07031				
				LOCA	ATION OF RE	LEASE	,						
Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County					
G	34	28N	10W	1850	FNL	1850	FEL	San Juan					

Volume of Release: Unknown

Date and Hour of Occurrence:

Latitude 36.621388 Longitude -107. 880116 **NATURE OF RELEASE**

Unknown

If YES, To Whom?

☐ Yes ☐ No ☒ Not Required		
By Whom?	Date and Hour	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	
If a Watercourse was Impacted, Describe Fully.*		
	ing	
Describe Cause of Problem and Remedial Action Taken.* The below grad location. The BGT cellar beneath the BGT was sampled for TPH via USE chlorides. The sample returned results below the 'pit rule' standards for but USEPA Method 418.1 at 140 ppm, confirming that a release has occurred for the Remediation of Leaks and Spills and Releases. The site was then reto a water well greater than 1000 feet, and distance to surface water 200 to 50 ppm total BTEX.	EPA Method 8015 and 418.1, for BTEX via USEPA enzene, total BTEX, and chloride but above the TP at this location. The site was then ranked accordin anked a 30 due to an estimated depth to groundwat	A Method 8021, and for total H standard of 100 ppm via g to the NMOCD Guidelines er of less than 50 feet, distance
Describe Area Affected and Cleanup Action Taken.* Based on TPH resul Remediation of Leaks, Spills and Releases standards. No further action is		w the Guidelines for the
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release in public health or the environment. The acceptance of a C-141 report by the should their operations have failed to adequately investigate and remediate or the environment. In addition, NMOCD acceptance of a C-141 report defederal, state, or local laws and/or regulations.	otifications and perform corrective actions for release NMOCD marked as "Final Report" does not relie e contamination that pose a threat to ground water,	ases which may endanger eve the operator of liability surface water, human health
	OIL CONSERVATION	DIVISION
Signature: Kurt Hoekstra	Approved by Environmental Specialist:	
Filmed Name. Ruft Hocksua		
Title: EHS Coordinator	Approval Date: 3/23/15 Expiration D	Pate:
E-mail Address: Kurt_Hoekstra@xtoenergy.com Date: \ - \ \ 3 - \ \ 5 \ Phone: 505-333-3100	Conditions of Approval:	Attached
* Attach Additional Sheets If Necessary	HNCS 1508235105	(9)



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

James McDaniel XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410

Report Summary

Thursday November 06, 2014

Report Number: L731277 Samples Received: 11/04/14 Client Project: 30-045-07031

Description: Fred Feasel J #1

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, EPA - TN002

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

This report may not be reproduced, except in full, without written approval from ESC Lab Sciences. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



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REPORT OF ANALYSIS

November 06, 2014

James McDaniel XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410

Date Received : Description :

November 04, 2014 Fred Feasel J #1

Sample ID

FARJM-103114-0945

Collected By : Collection Date : 10/31/14 09:45

ESC Sample # : L731277-01

Site ID :

Project # : 30-045-07031

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	71.	10.	mg/kg	9056MOD	11/04/14	1
Benzene	BDL	0.0025	mg/kg	8021	11/04/14	5
Toluene	BDL	0.025	mg/kg	8021	11/04/14	5
Ethylbenzene	BDL	0.0025	mg/kg	8021	11/04/14	5
Total Xvlene	BDL	0.0075	mg/kg	8021	11/04/14	5
TPH (GC/FID) Low Fraction	BDL	0.50	mg/kg	8015	11/04/14	5
Surrogate Recovery-%			5, 5		, ,	
a,a,a-Trifluorotoluene(FID)	99.7		% Rec.	8015	11/04/14	5
a,a,a-Trifluorotoluene(PID)	106.		% Rec.	8021	11/04/14	5
TPH (GC/FID) High Fraction Surrogate recovery(%)	14.	4.0	mg/kg	3546/DRO	11/04/14	1
o-Terphenyl	65.5		% Rec.	3546/DRO	11/04/14	1

BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted. This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 11/05/14 14:36 Revised: 11/06/14 10:15



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REPORT OF ANALYSIS

November 06, 2014

James McDaniel XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410

ESC Sample # : L731277-02

Date Received : November 04, 2014 Description : Fred Feasel J #1

Sample ID

: FARJM-103114-0950

Site ID :

Collected By : Collection Date : 10/31/14 09:50

Project # : 30-045-07031

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Chloride	62.	10.	mg/kg	9056MOD	11/04/14	1
Benzene	BDL	0.0025	mq/kg	8021	11/05/14	5
Toluene	BDL	0.025	mg/kg	8021	11/05/14	5
Ethylbenzene	BDL	0.0025	mg/kg	8021	11/05/14	5
Total Xylene	BDL	0.0075	mq/kq	8021	11/05/14	5
TPH (GC/FID) Low Fraction	\mathtt{BDL}	0.50	mg/kg	8015	11/05/14	5
Surrogate Recovery-%			J. 2			
a,a,a-Trifluorotoluene(FID)	99.4		% Rec.	8015	11/05/14	5
a,a,a-Trifluorotoluene(PID)	106.		% Rec.	8021	11/05/14	5
TPH (GC/FID) High Fraction Surrogate recovery(%)	BDL	4.0	mg/kg	3546/DRO	11/04/14	1
o-Terphenyl	69.7		% Rec.	3546/DRO	11/04/14	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted. This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 11/05/14 14:36 Revised: 11/06/14 10:15

Summary of Remarks For Samples Printed 11/06/14 at 10:15:33

TSR Signing Reports: 288 R2 - Rush: Next Day

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

Sample: L731277-01 Account: XTORNM Received: 11/04/14 09:00 Due Date: 11/05/14 00:00 RPT Date: 11/05/14 14:36

Sample: L731277-02 Account: XTORNM Received: 11/04/14 09:00 Due Date: 11/05/14 00:00 RPT Date: 11/05/14 14:36



XTO Energy - San Juan Division James McDaniel 382 County Road 3100

Aztec, NM 87410

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Est. 1970

Quality Assurance Report Level II

L731277

November 06, 2014

		Laborat	ory Blank	- ·					
Analyte	Result	Units	% Re	С	Limit		Batch	Date	Analyzed
Benzene	.000	mg/kg	Characana de la compa		HTTETTETTETT		WG752542	11/04	/14 18:53
Ethylbenzene	< .000	5 mg/kg							/14 18:53
Toluene TPH (GC/FID) Low Fraction	< .005	mg/kg mg/kg			atoma esternium i				/14 18:53 /14 18:53
Total Xylene	< .001		TANKATAN MINISTER	elika Kelat Afabib	4114111				/14 18:53
a,a,a-Trifluorotoluene (FID)	Paristrial 1994 States	% Rec.	101.		59-128	- 05504-9995-000-06-04-			/14 18:53
a,a,a-Trifluorotoluene(PID)		% Rec.			54-144		WG752542	11/04	/14 18:53
Chloride	< 10	mg/kg					WG752486	11/04	/14 15:30
TOUR (CC/DID) Wish Benefic P							WOZELOGZ	11/1/1	/14 21 20
TPH (GC/FID) High Fraction o-Terphenyl	< 4	mg/kg % Rec.	80.	30	50-150				/14 21:28 /14 21:28
		-m-dam dida	2012/01/10 1 15/10/2011 17			•	<u></u>		
Analyte	Units		licate Duplicate	RPD	Limit		Ref Sam	p	Batch
Chloride	 	66:0	6640	THE HOOSE SHE	ONE SECTION OF THE SE		L731192	=V5464	WG752486
CITOFIGE WAS COMPANIED AND A STREET COMPANIED AND COMPANIE	iiiig/.xgi	18545 00 *:0 [18155 5215-51 3873	OO: O LUMBER BRIDE	an u	na teravonama Z O novim stro	- 16-48 M AND ILL, SHE HALLA	2		MG/ J2480
Products	*****	Laboratory			8 Dan		T 2 - 2 E		Datab
Analyte	Units	Known Val	ке	sult	% Rec		Limit		Batch
Benzene	mg/kg	.05	infraints' 'dalahan' a) i infransi sebagai an	27 / [#5]	[[] 105.]][[]		70-130		WG752542
Ethylbenzene Toluene	mg/kg mg/kg	.05 .05	0.05 0.05		105. 106.		70-130 70-130		WG752542 WG752542
Total Xylene	mg/kg	rene man, , , many transmission and a series of	∐¦;	recognised to a product of the course	107.		70-130		WG752542
a,a,a-Trifluorotoluene(FID)	, ma 121 – 1386. – 1386.				101.0		59-128		WG752542
a,a,a-Trifluorotoluene(PID) TPH (GC/FID) Low Fraction	ma/ka	ggapadinihg	4.85	IMLodina4W	106.0 	alinebbendense	54-144 63.5-137		WG752542 ⊞WG752542
a,a,a-Trifluorotoluene(FID)				intensemandano ha	101.0	danida matikan (11822	59-128	JERKHILLIE,	WG752542
a,a,a-Trifluorotoluene(PID)	Mahimi hybbbi Nobin	datini nampatisca zama parting šūra	ebelian ini lebeninka	eriste nt entaliteten	115.0	derdekt dereken	54-144	EPHANAMAKET	WG752542
Chloride	mg/kg	200	48 matubulu 1986 - 205.	ikimi i kiri kiriki (1986	102.	Philippi III (III)	80-120	uuuyiyasafis.	WG752486
			** ** ** ** *** ***	Lucian Mg. And phatace		546445er55666666		dae stelpand.	
TPH (GC/FID) High Fraction O-Terphenyl	mg/kg	60	50.6	Zanderander	74.00		50-150 50-150		WG751897 WG751897
<u> </u>		THE SECRETARY OF AS A SECOND PROCESS OF	LO STATEMENT COMMAND A COMMAND	nance coorde akadam.					
Analyte		Laboratory Contr Result Ref	ol Sample D Rec		Limit	RPD	ī.i	.mit	Batch
						ata a sala sa sa sa sa sa sa			
Benzene	and the state of the state of	0.0519 0.05 0.0503 0.05	read to the color of the color	ppalater	70-130 70-130	1.61 4.25	20 20		WG752542 WG752542
Ethylbenzene Toluene	mg/kg mg/kg	0.0503 0.05			70-130	3.97	20		WG752542
Total Xylene	mg/kg		1 102.		70-130	1 11 5.12	20		WG752542
a,a,a-Trifluorotoluene(FID) a,a,a-Trifluorotoluene(PID)			101. 106.		59-128 54-144				WG752542 WG752542
TPH (GC/FID) Low Fraction	.mg/kg	4.76 4285	CONTRACTOR OF THE PARTY OF THE	annear server our commencer	63.5-137	1.80			WG752542
a,a,a-Trifluorotoluene(FID)			103.		59-128				WG752542
a,a,a-Trifluorotoluene(PID)		icenneruluo 64530	115. E. E. E		54-144				WG752542
Chloride	mg/kg	206. 205.	103.	· · · · · · · · · · · · · · · · ·	80-120	1.00	20)	WG752486
TPH (GC/FID) High Fraction	ma/ka	±51.2	HIM # 85.0	M-CHENG IS	50-150	1 06	HELLE HOL		WG751897
o-Terphenyl		g = +1• .#De.ettipilipi €3iipi = M.* S	76.	Charles and a series of the first	50-150	nga natiye	mentinarriikisis S	, represent t PASP	WG751897

* 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 James McDaniel 382 County Road 3100

Aztec, NM 87410

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Quality Assurance Report Level II

L731277

November 06, 2014

	Matrix Spike										
Analyte	_Units	MS Res	Ref Re	es TV	% Rec_	Limit	Ref Samp	Batch			
Benzene	mg/kg:	0.245	0.000	332	8.0	49.7-1	27 L731277-01	WG75254			
Ethylbenzene	mg/kg	0.235	0.0005		94.0	40.8-1	management to the company of the contract of t	WG75254			
Toluene	mg/kg	0.246	0.0012		98.0	49.8-1		WG75254			
otal xylene	mg/kg	0.724	₩ <u>.</u> ±0.0020	04 - 215	96:0	41:2-1	40 - L731277-01	WG75254			
ı,a,a-Trifluorotoluene(FID)	1.440(49)4414 Viii. / - 714 41	and the second of the second of the second	Distillation of the State of th	. Server	101.0	59-128	}	WG75254			
,a,a-Trifluorotoluene(PID)					105.0	54-144		WG75254			
PH (GC/FID) Low Fraction	mg/kg	20.5	0.0755	5	74.0	28.5-1	38 L731277-01	WG75254			
,a,a-Trifluorotoluene(FID)					101.0	59-128		WG7525			
,a,a-Trifluorotoluene(PID)			dania i an 1 an 1 an 1 an 1 an 1		114.0	54-144		WG7525			
		Hille									
Chloride	mg/kg	565.	70.2	500	99.0	80-120	L731192-04	WG7524			
		Mat	rix Spike								
nalyte	Units	Mat MSD	rix Spike Ref	Duplicate %Rec	Limit_	RPD	Limit Ref Samp	Batch			
		MSD				RPD 2:89	Limit Ref Samp	Batch WG7525			
enzene			Ref	%Rec	Limit						
enzene chylbenzene	mg/kg	MSD (0:252:	Ref 0:245	%Rec	Limit 49.7-127	2:89.1		 WG7525			
enzene: The state of the state	mg/kg mg/kg mg/kg	MSD 0.252	Ref 0.245 0.235	%Rec 101 94.6	Limit 49.7-127 40.8-141 49.8-132	2:89.11 0.870	23.5 L731277-01 23.8 L731277-01	WG7525 WG7525 WG7525			
enzene thylbenzene otal Xylene thylbenzene otal Xylene	mg/kg mg/kg mg/kg	MSD 0:252 0.237 0.246	Ref 0.245 0.235 0.246	%Rec 101 94.6 97.9	Limit 49.7-127 40.8-141 49.8-132 41.2-140 59-128	2:89 0.870 0.140	23 5 L731277-01 23.8 L731277-01 23.5 L731277-01	WG7525 WG7525 WG7525 WG7525 WG7525			
Senzene: Sthylbenzene Coluene Total Xylene A, a, a -Trifluorotoluene (FID) L, a, a -Trifluorotoluene (PID)	mg/kg mg/kg mg/kg mg/kg	MSD 0.252 0.237 0.246 0.722	Ref 0,245 0.235 0.246 0.724	*Rec 101 94.6 97.9 95.9: 2 100.0 104.0	Limit 49 7-127 40.8-141 49.8-132 411-2-140 59-128 54-144	2.89 0.870 0.140 0.380	23.5 L731277-01 23.8 L731277-01 23.5 L731277-01 23.7 L731277-01	WG7525 WG7525 WG7525 WG7525 WG7525 WG7525			
Penzene thylbenzene toluene total Xylene t,a,a-Trifluorotoluene(FID) t,a,a-Trifluorotoluene(PID) PH (GC/FID) Low Fraction	mg/kg mg/kg mg/kg	MSD 0.252 0.237 0.246 0.722	Ref 0.245 0.235 0.246	*Rec 101 94.6 97.9 95.9: 100.0 104.0 73.8	Limit 49*7-127 40.8-141 49.8-132 41-2-140 59-128 54-144 28:5-138	2:89 0.870 0.140	23 5 L731277-01 23.8 L731277-01 23.5 L731277-01	WG7525 WG7525 WG7525 WG7525 WG7525 WG7525			
enzene the control of	mg/kg mg/kg mg/kg mg/kg	MSD 0.252 0.237 0.246 0.722	Ref 0,245 0.235 0.246 0.724	*Rec 101 94.6 97.9 95.9 100.0 104.0 73.8	Limit 49.7-127 40.8-141 49.8-132 41-2-140 59-128 54-144 28.5-138 59-128	2.89 0.870 0.140 0.380	23.5 L731277-01 23.8 L731277-01 23.5 L731277-01 23.7 L731277-01	WG7525 WG7525 WG7525 WG7525 WG7525 WG7525 WG7525			
tenzene :: thylbenzene coluene otal Xylene otal Xylene otal Xylene otal Trifluorotoluene (FID) ,a,a-Trifluorotoluene (PID) PH (GC/FID) Low Fraction ,a,a-Trifluorotoluene (FID)	mg/kg mg/kg mg/kg mg/kg	MSD 0.252 0.237 0.246 0.722	Ref 0,245 0.235 0.246 0.724	*Rec 101 94.6 97.9 95.9: 100.0 104.0 73.8	Limit 49*7-127 40.8-141 49.8-132 41-2-140 59-128 54-144 28:5-138	2.89 0.870 0.140 0.380	23.5 L731277-01 23.8 L731277-01 23.5 L731277-01 23.7 L731277-01	WG7525 WG7525 WG7525 WG7525 WG7525 WG7525 WG7525			
menzene thylbenzene oluene otal Xylene ta, a, a-Trifluorotoluene (FID), a, a-Trifluorotoluene (FID) town Fraction ta, a, a-Trifluorotoluene (FID), a, a, a-Trifluorotoluene (FID), a, a, a-Trifluorotoluene (FID), a, a, a-Trifluorotoluene (FID)	mg/kg mg/kg mg/kg mg/kg	MSD 0(:252) 0.237 0.246 0:722	Ref 0.245 0.235 0.246 0.724 20.5	*Rec 101 94.6 97.9 95.9 100.0 104.0 73.8 101.0 113.0	Limit 49.7-127 40.8-141 49.8-132 41.2-140 59-128 54-144 28.5-138 59-128 54-144	2.89 0.870 0.140 0.380	23, 5 L731277-01 23, 8 L731277-01 23, 5 L731277-01 23, 7 L731277-01 23, 6 L73127-01 23, 6 L73127-	WG7525 WG7525 WG7525 WG7525 WG7525 WG7525 WG7525 WG7525			
Analyte Senzene Sthylbenzene Toluene Total Xylene Strain	mg/kg mg/kg mg/kg mg/kg	MSD 0.252 0.237 0.246 0.722	Ref 0,245 0.235 0.246 0.724	*Rec 101 94.6 97.9 95.9 100.0 104.0 73.8	Limit 49.7-127 40.8-141 49.8-132 41-2-140 59-128 54-144 28.5-138 59-128	2.89 0.870 0.140 0.380	23.5 L731277-01 23.8 L731277-01 23.5 L731277-01 23.7 L731277-01	WG7525 WG7525 WG7525 WG7525 WG7525 WG7525			
Senzene: Sthylbenzene Coluene Cotal Xylene Stal Xylene	mg/kg mg/kg mg/kg mg/kg mg/kg	MSD 0.252	Ref 0.245 0.235 0.246 0.724 20.5	*Rec 101:	Limit 49.7-127 40.8-141 49.8-132 41.2-140 59-128 54-144 28.5-138 59-128 54-144	2.89 0.870 0.140 0.380	23, 5 L731277-01 23, 8 L731277-01 23, 5 L731277-01 23, 7 L731277-01 23, 6 L73127-01 23, 6 L73127-	WG7525 WG7525 WG7525 WG7525 WG7525 WG7525 WG7525 WG7525			

Batch number /Run number / Sample number cross reference

WG752542: R3002301: L731277-01 02 WG752486: R3002378: L731277-01 02 WG751897: R3002397: L731277-01 02

^{*} 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 James McDaniel 382 County Road 3100

Aztec, NM 87410

Quality Assurance Report Level II

L731277

November 06, 2014

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

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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