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	ase Notifica	ation	and Co	orrective A	ction				
						OPERATOR Initial Report Final Report						Final Report
Name of Co				97410		Contact: Kurt Hoekstra						
Address: 38 Facility Nan				co 8/410		Telephone No.: (505) 333-3100 Facility Type: Gas Well (Basin Fruitland Coal)						
Surface Ow				Mineral Ov						. 30-045-32	2224	
Sui lace Ow	ner. reuer	a1					-		Arino	. 30-043-32	2334	
Unit Letter	Section	Township	Danga			OF REI	Feet from the	Fact/W	Vest Line	County]
	Section		Range									
K	1	30N	14W	2580		FSL	1890	F	WL		San Ju	an
Latitude: <u>36.8427</u> Longitude: <u>-108.2629</u> NATURE OF RELEASE												
Type of Relea						Volume of	Release: 150 BB			Recovered: 2		
Source of Release: 6" underground water transfer line						Date and H Unknown	lour of Occurrenc	e		Hour of Dise	-	
Was Immedia	ate Notice (If YES, To			2-25-201	(u) 4.00 pl		
				No Not Rec	luired		elds NMOCD					
By Whom? K Was a Water			sy				lour: 2-23-2017 (olume Impacting t					
was a water	course reca		Yes [No			itely 150 BBL pro					
If a Watercou	irse was Im	pacted, Descr	ibe Fully. ³	Approximately 1	50 bbls	of produced	water was lost fro	om a 6" v	water trans	fer line pond	ling on	location,
				a small drainage fea ximately 1,000 fee			entering a wash					
approximater	y 1,500 icci	t oli location,	and appro	Ximatery 1,000 fee	t in the	wasii.			UIL CUN	IS. DIV DI	ST. 3	
									MAR	0 6 201	7	
location, befor for approximation was ranked a	ore flowing ately 1,500 20 pursuan	off location to feet off locati it to the NMO	o the east, on, and ap CD Guide	n Taken: Approxin entering a small dr proximately 1,000 lines for the Reme	ainage f feet in liation	feature, and e the wash. Va of Leaks, Spi	eventually enterin nessa Fields NM ills and Releases of	g a wash OCD wa due to di	n south of t is notified stance to s	he location. at 4:10 pm. 2 urface water	The wa 2-23-20 200-10	ter traveled 17. The site 000 feet, and
				nd 100 feet, and di otal BTEX. A spill				ater than	1,000 feet	. This set the	e closur	re standards
Describe Are shut in imme	a Affected a diately and	and Cleanup A the leak was s	Action Tak stopped. A	en.*Due to a produce water truck was canned results below to	uced wa alled an	ter leak of 1: d 20 BBLs o	50 BBLs a release f produced water	was reco	overed. Re	pairs were m		
regulations al public health should their of or the environ	Il operators or the envir operations h nment. In a	are required to ronment. The ave failed to a	o report ar acceptanc adequately OCD accep	is true and comple id/or file certain re e of a C-141 repor investigate and re tance of a C-141 re	lease no t by the mediate	tifications an NMOCD m contamination	nd perform correct arked as "Final R on that pose a thr	etive acti eport" de eat to gro	ons for rele oes not reli ound water	eases which eve the oper , surface wa	may en ator of ter, hur	danger liability nan health
, , ,		. / .					OIL CON	SERV	ATION	DIVISIC	N	
Signature: A	but H.	tetu				annound hu	Environmental S					
Printed Name	e: Kurt Hoe	kstra				approved by	Environmental 5	pecialist	h		E	-
Title: EHS Co					I	Approval Dat	:318120	ME	Expiration	Date:	-	
E-mail Addre	ess: Kurt_H	oekstra@xtoe	nergy.con	1	0	Conditions of	Approval:			444-14-1		
Date: 3-1-20			505-333-3	100	1	NFT	2067319	724		Attached		
Attach Addit	tional Shee	ets If Necess	ary		4	pply Foll	Suparial B	rw fo s	15 Sp	ed and ec Sha	es set	- 38

McDaniel, James

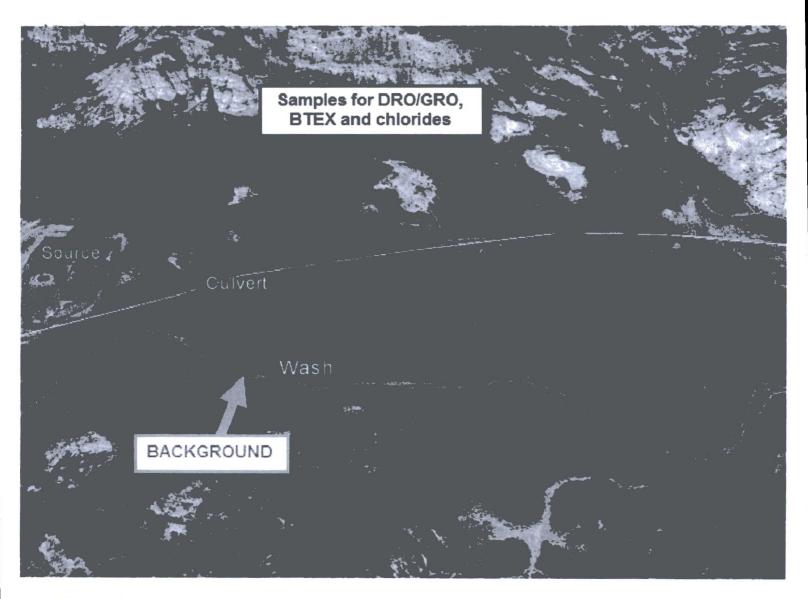
From:	McDaniel, James
Sent:	Friday, February 24, 2017 2:23 PM
To:	Fields, Vanessa, EMNRD (Vanessa.Fields@state.nm.us); Smith, Cory, EMNRD; 'Brandon
	Powell (brandon.powell@state.nm.us)'; Whitney Thomas (l1thomas@blm.gov)
Cc:	Martin Nee (Martin_Nee@xtoenergy.com); Logan Hixon
	(Logan_Hixon@xtoenergy.com); Kurt Hoekstra (Kurt_Hoekstra@xtoenergy.com)
Subject:	24 Hour Notice - Salty Dog SWD #4 release

Hello,

Please consider this email the required 24 hour notification for a major release at the Salty Dog SWD #4 injection well location. The well is located in Section 1K, Township 30N, Range 14W, San Juan County, New Mexico, API # 30-045-32334. The well Lat/Long is 36.8427/-108.2629. On February 23, 2017 at approximately 4:00 PM, a water leak was discovered at the location, originating from the 6" underground water transfer line. The line was shut in immediately and the leak was stopped. It was determined that approximately 150 bbls of produced water was lost from the line, ponding on location, before flowing off location to the east, entering a small drainage feature, and eventually entering a wash south of the location. The water traveled for approximately 1,500 feet off location, and approximately 1,000 feet in the wash. Repairs to the line are underway, and soil samples were collected from the spill area. One soil sample was collected from the source of the release, and a sample was collected every 100 feet in the wash. Samples from the source, from the point where the water entered the wash from a culvert, the point where the water entered the main wash, and from the end of the release will be analyzed for DRO/GRO, BTEX and chlorides. All other samples will be analyzed for chlorides only. A background sample was also collected from the wash upgradient of the spill area. All samples will be analyzed on a rush, and analytical results should be available early next week. An aerial photo of the site and spill area is attached to this email for your reference. Please do not hesitate to contact me with any questions regarding this incident.

OIL CONS. DIV DIST. 3

MAR 0 6 2017



James McDaniel EH&S Supervisor CHMM #15676 CSP #30009 XTO Energy Inc. 382 Road 3100 Aztec, New Mexico 87410 Phone: 505.333.3701 | Mobile: 505.787.0519 james mcdaniel@xtoenergy.com

An ExxonMobil Subsidiary



ANALYTICAL REPORT

February 28, 2017



XTO Energy - San Juan Division

Sample Delivery Group:

Samples Received:

Project Number:

Salty Dog #4

L892428 02/25/2017

Report To:

Description:

Kurt Hoekstra 382 County Road 3100 Aztec, NM 87410

Entire Report Reviewed By: Naplme & Richards

Daphne Richards Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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³Ss ⁴Cn ⁵Sr ⁶Qc ⁷Gl ⁸Al ⁹Sc

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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²Tc

⁴Cn ⁵Sr ⁶Qc ⁷GI ⁸Al

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SOURCE L892428-01 Solid			Collected by Kurt	Collected date/time 02/24/17 09:00	Received date/time 02/25/17 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Semi Valatila Orazzia Compounda (CC) by Mothod 2015	WG955864	1	02/26/17 10:26	02/28/17 10:14	LM
Semi-Volatile Organic Compounds (GC) by Method 8015 Total Solids by Method 2540 G-2011	WG955766	1	02/25/17 13:16	02/25/17 13:26	KDW
Volatile Organic Compounds (GC) by Method 8015/8021	WG955936	1	02/26/17 23:19	02/28/17 10:29	DWR
-	WG955563	1	02/27/17 13:05	02/27/17 16:53	KCF
Vet Chemistry by Method 9056A	MG322102		02/2//// 13.05	02/27/17 10.55	KUP
CULVERT EXIT L892428-02 Solid			Collected by Kurt	Collected date/time 02/24/17 09:10	Received date/time 02/25/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Semi-Volatile Organic Compounds (GC) by Method 8015	WG955864	1	02/26/17 10:26	02/28/17 10:25	LM
Total Solids by Method 2540 G-2011	WG955766	1	02/25/17 13:16	02/25/17 13:26	KDW
/olatile Organic Compounds (GC) by Method 8015/8021	WG955936	1	02/26/17 23:19	02/28/17 10:52	DWR
Net Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 17:13	KCF
CULVERT 100 L892428-03 Solid			Collected by Kurt	Collected date/time 02/24/17 09:20	Received date/time 02/25/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
otal Solids by Method 2540 G-2011	WG955766	1	02/25/17 13:16	02/25/17 13:26	KDW
Vet Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 18:55	KCF
CULVERT 200 L892428-04 Solid			Collected by Kurt	Collected date/time 02/24/17 09:30	Received date/time 02/25/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
otal Solids by Method 2540 G-2011	WG955766	1	02/25/17 13:16	02/25/17 13:26	KDW
let Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 19:16	KCF
CULVERT 300 L892428-05 Solid			Collected by Kurt	Collected date/time 02/24/17 09:40	Received date/time 02/25/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
atal Salids by Mathed 2540 C 2011	WOOFFICE	4	date/time	date/time	1/15/11
otal Solids by Method 2540 G-2011	WG955766	1	02/25/17 13:16	02/25/17 13:26	KDW
/et Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 19:36	KCF
WASH ENTRY L892428-06 Solid			Collected by Kurt	Collected date/time 02/24/17 09:50	Received date/time 02/25/17 09:00
/lethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
emi-Volatile Organic Compounds (GC) by Method 8015	WG955864	1	02/26/17 10:26	02/28/17 10:37	LM
otal Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
olatile Organic Compounds (GC) by Method 8015/8021	WG955936	1	02/26/17 23:19	02/28/17 11:14	DWR
Vet Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 19:56	KCF

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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WASH BACKGROUND L892428-07 Solid			Collected by Kurt	Collected date/time 02/24/17 10:00	Received date/time 02/25/17 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
Vet Chemistry by Method 9056A	WG955763	1	02/27/17 13:05	02/27/17 20:17	KCF
			Collected by	Collected date/time	Received date/time
WASH 100 L892428-08 Solid			Kurt	02/24/17 10:10	02/25/17 09:00
Nethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
otal Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
/et Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 20:37	KCF
			Collected by Kurt	Collected date/time 02/24/17 10:20	Received date/time 02/25/17 09:00
WASH 200 L892428-09 Solid					
Method .	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Total Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
Vet Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 20:58	KCF
			Collected by	Collected date/time	Received date/time
WASH 300 L892428-10 Solid			Kurt	02/24/17 10:30	02/25/17 09:00
Aethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	e der II
otal Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
let Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 21:18	KCF
VASH 400 L892428-11 Solid			Collected by Kurt	Collected date/time 02/24/17 10:40	Received date/time 02/25/17 09:00
	D-1	P.F.			
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
otal Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
/et Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 21:39	KCF
WASH 500 L892428-12 Solid			Collected by Kurt	Collected date/time 02/24/17 10:50	Received date/time 02/25/17 09:00
Nethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
otal Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
et Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 22:40	KCF
er orennauy by method 2030A					
et onembury by method 3030A			Collected by	Collected date/time	Received date/time
VASH 600 L892428-13 Solid			Collected by Kurt	Collected date/time 02/24/17 11:00	Received date/time 02/25/17 09:00
	Batch	Dilution			
/ASH 600 L892428-13 Solid	Batch WG955767	Dilution	Kurt Preparation	02/24/17 11:00 Analysis	02/25/17 09:00

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SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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WASH 700 L892428-14 Solid			Collected by Kurt	Collected date/time 02/24/17 11:10	Received date/time 02/25/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
Wet Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 23:21	KCF
			Collected by	Collected date/time	Received date/time
WASH 800 L892428-15 Solid			Kurt	02/24/17 11:20	02/25/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Total Solids by Method 2540 G-2011	WG955767	1	02/25/17 13:59	02/25/17 14:06	KDW
Wet Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/27/17 23:41	KCF
WASH 900 L892428-16 Solid			Collected by Kurt	Collected date/time 02/24/17 11:30	Received date/time 02/25/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
Total Solids by Method 2540 G-2011	WG955768	1	date/time 02/25/17 14:10	date/time 02/25/17 14:23	KDW
Wet Chemistry by Method 9056A	WG955763	10	02/27/17 13:05	02/28/17 00:02	KCF
wet chemisury by method 9050A	W6355765	10	02/2/11/ 13.05	02/20/1/ 00:02	KUP
			Collected by	Collected date/time	Received date/time
WASH 1000 L892428-17 Solid			Kurt	02/24/17 11:40	02/25/17 09:00
	Batch	Dilution	Preparation	Analysis	Analyst
Method	DdlCli				
Method	Balch		date/time	date/time	
	WG955864	1	date/time 02/26/17 10:26	date/time 02/28/17 10:48	LM
Method Semi-Volatile Organic Compounds (GC) by Method 8015 Total Solids by Method 2540 G-2011		1			LM KDW
Semi-Volatile Organic Compounds (GC) by Method 8015	WG955864		02/26/17 10:26	02/28/17 10:48	

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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 data.

Napline R Richards

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Daphne Richards Technical Service Representative

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PAGE:

SOURCE

Chloride

SAMPLE RESULTS - 01

ONE LAB. NATIONWIDE.

Collected date/time: 02/24/17 09:00 Total Solids by Method 2540 G-2011

Total Solids by Method 2540 G-2011									
	Result	Qualifier	Dilution	Analysis	Batch		Cp		
Analyte	%			date / time			2		
Total Solids	89.2		1	02/25/2017 13:26	WG955766		Tc		
Wet Chemistry b	by Method 9056A						³ Ss		
	Result (dry)	Qualifier	RDL (de	ry) Dilution	Analysis	Batch			
Analyte	mg/kg		mg/kg		date / time		⁴ Cp		
Chlorido	506		11.2	1	02/27/2017 16-52	WCOFF762	Cn		

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02/27/2017 16:53

WG955763

L892428

Volatile Organic Compounds (GC) by Method 8015/8021

506

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		QC
Benzene	ND		0.000560	1	02/28/2017 10:29	WG955936	
Toluene	ND		0.00560	1	02/28/2017 10:29	WG955936	⁷ GI
Ethylbenzene	ND		0.000560	1	02/28/2017 10:29	WG955936	0
Total Xylene	ND		0.00168	1	02/28/2017 10:29	WG955936	8
TPH (GC/FID) Low Fraction	ND		0.112	1	02/28/2017 10:29	WG955936	AI
(S) a,a,a-Trifluorotoluene(FID)	97.3		77.0-120		02/28/2017 10:29	WG955936	
(S) a,a,a-Trifluorotoluene(PID)	102		75.0-128		02/28/2017 10:29	WG955936	9 SC

Semi-Volatile Organic Compounds (GC) by Method 8015

					the second se		
	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		
TPH (GC/FID) High Fraction	ND		4.48	1	02/28/2017 10:14	WG955864	
(S) o-Terphenyl	67.9		18.0-148		02/28/2017 10:14	WG955864	

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CULVERT EXIT Collected date/time: 02/24/17 09:10

SAMPLE RESULTS - 02



Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch		Cp
Analyte	%			date / time			2
Total Solids	82.4		1	02/25/2017 13:26	WG955766		Tc
Wet Chemistry b	by Method 9056A						³ Ss
	Posult (dp)	Qualifier	PDI (day) Dilution	Analysis	Batch	

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4 Cn
Chloride	3190	$\underline{\vee}$	121	10	02/27/2017 17:13	WG955763	CII

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		Qc
Benzene	0.000977		0.000606	1	02/28/2017 10:52	WG955936	
Toluene	ND		0.00606	1	02/28/2017 10:52	WG955936	⁷ GI
Ethylbenzene	ND		0.000606	1	02/28/2017 10:52	WG955936	
Total Xylene	0.00248	B	0.00182	1	02/28/2017 10:52	WG955936	8
TPH (GC/FID) Low Fraction	0.149		0.121	1	02/28/2017 10:52	WG955936	AI
(S) a,a,a-Trifluorotoluene(FID)	97.7		77.0-120		02/28/2017 10:52	WG955936	
(S) a,a,a-Trifluorotoluene(PID)	102		75.0-128		02/28/2017 10:52	WG955936	⁹ SC

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	5.07		4.85	1	02/28/2017 10:25	WG955864
(S) o-Terphenyl	65.6		18.0-148		02/28/2017 10:25	WG955864

CULVERT 100 Collected date/time: 02/24/17 09:20

SAMPLE RESULTS - 03

ONE LAB. NATIONWIDE.

Total Solids by Method 2540 G-2011

Result Qualifier Dilution Analysis Batch Analyte % date / time date / time Total Solids 82.4 1 02/25/2017 13:26 WG955766 Wet Chemistry by Method 9056A Vethod 9056A Vethod 9056A Vethod 9056A	1.1
Analyte % date / time Total Solids 82.4 1 02/25/2017 13:26 WG955766	
	2
Wet Chemistry by Method 9056A	T_
	3 S
Result (dry) Qualifier RDL (dry) Dilution Analysis Batch	L
Analyte mg/kg mg/kg date / time	4
Chloride 3330 121 10 02/27/2017 18:55 WG955763	C

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DATE/TIME:

CULVERT 200 Collected date/time: 02/24/17 09:30

Chloride

SAMPLE RESULTS - 04

WG955763

Total Solids by Method 2540 G-2011

1760

rotar condo by n							100
	Result	Qualifier	Dilution	Analysis	Batch		Cp
Analyte	%			date / time			2
Total Solids	87.9		1	02/25/2017 13:26	WG955766		² Tc
Wet Chemistry b	y Method 9056A						³ Ss
	Result (dry)	Qualifier	RDL (dr	y) Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4
Chlorido	1760		11.4	10	02/27/2017 10:16	WCOFF7C2	Cn

10

02/27/2017 19:16

114

⁶ Qc
⁷ GI
⁸ AI
⁹ Sc

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DATE/TIME:

CULVERT 300 Collected date/time: 02/24/17 09:40

SAMPLE RESULTS - 05 L892428

ONE LAB. NATIONWIDE.

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Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch		C
Analyte	%			date / time			
Total Solids	90.4		1	02/25/2017 13:26	WG955766		T
Wet Chemistry b	by Method 9056A						³ S
	Result (dry)	Qualifier	RDL (dry) Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		⁴ C

WASH ENTRY Collected date/time: 02/24/17 09:50

SAMPLE RESULTS - 06 L892428

Total Solids by Method 2540 G-2011

Result	Qualifier	Dilution	Analysis	Batch	C.,)
%			date / time		2
85.2		1	02/25/2017 14:06	WG955767	Tc
9056A					³ Ss
	% 85.2	% 85.2	% 85.2 1	% date / time 85.2 1 02/25/2017 14:06	% date / time 85.2 1 02/25/2017 14:06 WG955767

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4 Cn
Chloride	2320		117	10	02/27/2017 19:56	WG955763	CII

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		°Qc
Benzene	ND		0.000587	1	02/28/2017 11:14	WG955936	
Toluene	ND		0.00587	1	02/28/2017 11:14	WG955936	⁷ GI
Ethylbenzene	ND		0.000587	1	02/28/2017 11:14	WG955936	0
Total Xylene	ND		0.00176	1	02/28/2017 11:14	WG955936	8
TPH (GC/FID) Low Fraction	0.232		0.117	1	02/28/2017 11:14	WG955936	AI
(S) a,a,a-Trifluorotoluene(FID)	96.7		77.0-120		02/28/2017 11:14	WG955936	
(S) a,a,a-Trifluorotoluene(PID)	102		75.0-128		02/28/2017 11:14	WG955936	⁹ Sc
							00

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	ND		4.69	1	02/28/2017 10:37	WG955864
(S) o-Terphenyl	66.2		18.0-148		02/28/2017 10:37	WG955864



WASH BACKGROUND

SAMPLE RESULTS - 07

Collected date/time: 02/24/17 10:00

Total Solids by Method 2540 G-2011 Result Qualifier Dilution Analysis Batch Analyte % date / time Тс **Total Solids** 86.9 1 02/25/2017 14:06 WG955767 Wet Chemistry by Method 9056A Ss Result (dry) Qualifier RDL (dry) Dilution Analysis Batch Analyte mg/kg mg/kg date / time Cn Chloride ND 11.5 1 02/27/2017 20:17 WG955763

⁶Qc ⁷GI ⁸AI ⁹Sc

SAMPLE RESULTS - 08

Collected date/time: 02/24/17 10:10

Total Solids by Method 2540 G-2011 Result Qualifier Dilution Analysis Batch Analyte % date / time Тс **Total Solids** 83.9 02/25/2017 14:06 1 WG955767 Wet Chemistry by Method 9056A Ss Result (dry) Qualifier RDL (dry) Dilution Analysis Batch Analyte mg/kg mg/kg date / time Cn Chloride 2340 119 02/27/2017 20:37 10 WG955763

⁶Qc ⁷Gl ⁸Al ⁹Sc

ACCOUNT:

WASH 200 Collected date/time: 02/24/17 10:20

Chloride

SAMPLE RESULTS - 09 L892428

Total Solids by Method 2540 G-2011

2890

,							100	
	Result	Qualifier	Dilution	Analysis	Batch		Ср	
Analyte	%			date / time				
Total Solids	83.1		1	02/25/2017 14:06	WG955767		Tc	
Wet Chemistry by	Method 9056A						³ Ss	
	Result (dry)	Qualifier	RDL (c	lry) Dilution	Analysis	Batch		
Analyte	mg/kg		mg/kg		date / time		4	
Chloride	2890		120	10	02/27/2017 20.59	WC055762	Cn	

10

02/27/2017 20:58

WG955763

120

⁶Qc ⁷Gl ⁸Al Sc

R

ACCOUNT:

PAGE:

WASH 300 Collected date/time: 02/24/17 10:30

SAMPLE RESULTS - 10

ONE LAB. NATIONWIDE.

Total Solids by Method 2540 G-2011

Total Solids by h							
	Result	Qualifier	Dilution	Analysis	Batch		
Analyte	%			date / time			
Total Solids	83.7		1	02/25/2017 14:06	WG955767		2
Wet Chemistry b	y Method 9056A						3
	Result (dry)	Qualifier	RDL (d	ry) Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4
Chloride	2850		120	10	02/27/2017 21:18	WG955763	

SAMPLE RESULTS - 11

Collected date/time: 02/24/17 10:40

Total Solids by Method 2540 G-2011 Result Qualifier Dilution Analysis Batch % Analyte date / time Тс **Total Solids** 83.1 02/25/2017 14:06 1 WG955767 Wet Chemistry by Method 9056A Ss Result (dry) Qualifier RDL (dry) Dilution Analysis Batch Analyte mg/kg mg/kg date / time Cn Chloride 2950 120 10 02/27/2017 21:39 WG955763

R

SAMPLE RESULTS - 12

Qc

⁸AI

⁹Sc

Collected date/time: 02/24/17 10:50

Total Solids by Method 2540 G-2011 Result Qualifier Dilution Analysis Batch Analyte % date / time Тс **Total Solids** 83.5 02/25/2017 14:06 WG955767 1 Wet Chemistry by Method 9056A Ss Result (dry) Qualifier RDL (dry) Dilution Analysis Batch Analyte mg/kg mg/kg date / time ^⁴Cn Chloride 3100 120 02/27/2017 22:40 10 WG955763

Chloride

SAMPLE RESULTS - 13 L892428

Collected date/time: 02/24/17 11:00

Total Solids by Method 2540 G-2011

2210

i etai eenae oj in							1
	Result	Qualifier	Dilution	Analysis	Batch		Ср
Analyte	%			date / time			2
Total Solids	86.0		1	02/25/2017 14:06	WG955767		Tc
Wet Chemistry by	/ Method 9056A						³ Ss
	Result (dry)	Qualifier	RDL (dry) Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg)	date / time		4 (Cp

10

02/27/2017 23:00

WG955763

116

⁶ Qc
⁷ GI
⁸ AI
⁹ Sc

⁺Cn

-

SAMPLE RESULTS - 14

ONE LAB. NATIONWIDE.

Collected date/time: 02/24/17 11:10

Total Solids by Method 2540 G-2011 Result Qualifier Dilution Analysis Batch Analyte % date / time Тс Total Solids 86.5 02/25/2017 14:06 1 WG955767 Wet Chemistry by Method 9056A Ss Result (dry) Qualifier RDL (dry) Dilution Analysis Batch Analyte mg/kg mg/kg date / time Cn Chloride 2110 116 10 02/27/2017 23:21 WG955763

⁶Qc ⁷GI ⁸AI ⁹Sc

SAMPLE RESULTS - 15

ONE LAB. NATIONWIDE.

Collected date/time: 02/24/17 11:20 Total Solids by Method 2540 G-2011

rotar contas by m	100 2040 0 20						1
	Result	Qualifier	Dilution	Analysis	Batch		
Analyte	%			date / time			
Total Solids	87.3		1	02/25/2017 14:06	WG955767		2.
Wet Chemistry by	y Method 9056A						3
	Result (dry)	Qualifier	RDL (dr	ry) Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4
Chloride	2060		114	10	02/27/2017 23:41	WG955763	

GI

Å١

⁹Sc

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SAMPLE RESULTS - 16

Collected date/time: 02/24/17 11:30

Total Solids by M	ethod 2540 G-20	11					1
	Result	Qualifier	Dilution	Analysis	Batch		Cp
Analyte	%			date / time			2
Total Solids	84.6		1	02/25/2017 14:23	WG955768		Tc
Wet Chemistry by	/ Method 9056A						³ Ss
	Result (dry)	Qualifier	RDL (d	dry) Dilution	Analysis	Batch	
Analyte	mg/kg		mg/kg		date / time		4
Chloride	3370		118	10	02/28/2017 00:02	WG955763	Cn

SAMPLE RESULTS - 17

R

Collected date/time: 02/24/17 11:40

Total Solids by Mi	ethod 2540 G-20	11					1	Cis
	Result	Qualifier	Dilution	Analysis	Batch			Ср
Analyte	%			date / time				2
Total Solids	88.6		1	02/25/2017 14:23	WG955768		1	Тс
Wet Chemistry by	Method 9056A							³ Ss
	Result (dry)	Qualifier	RDL (d	dry) Dilution	Analysis	Batch	L	
Analyte	mg/kg		mg/kg	J.	date / time		4	⁴Cn
Chloride	1650		113	10	02/28/2017 00:22	WG955763		CII

Volatile Organic Compounds (GC) by Method 8015/8021

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch	6
Analyte	mg/kg		mg/kg		date / time		CQC
Benzene	ND		0.000564	1	02/28/2017 11:37	WG955936	
Toluene	ND		0.00564	1	02/28/2017 11:37	WG955936	⁷ GI
Ethylbenzene	ND		0.000564	1	02/28/2017 11:37	WG955936	G
Total Xylene	ND		0.00169	1	02/28/2017 11:37	WG955936	8
TPH (GC/FID) Low Fraction	ND		0.113	1	02/28/2017 11:37	WG955936	AI
(S) a,a,a-Trifluorotoluene(FID)	97.4		77.0-120		02/28/2017 11:37	WG955936	
(S) a,a,a-Trifluorotoluene(PID)	102		75.0-128		02/28/2017 11:37	WG955936	°Sc
							00

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result (dry)	Qualifier	RDL (dry)	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg		date / time	
TPH (GC/FID) High Fraction	ND		4.51	1	02/28/2017 10:48	WG955864
(S) o-Terphenyl	64.8		18.0-148		02/28/2017 10:48	WG955864

PAGE:

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3199446-1 02/	25/17 13:26			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00130			

L891206-13 Original Sample (OS) • Duplicate (DUP)

(OS) L891206-13 02/25/17	13:26 • (DUP) F	3199446-3 0	2/25/17 13	26			
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	%	%		%		%	
Total Solids	68.0	69.9	1	2.75		5	

Laboratory Control Sample (LCS)

(LCS) R3199446-2 02/25/1	7 13:26				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	99.9	85.0-115	

ACCOUNT: XTO Energy - San Juan Division PROJECT:

SDG: L892428 DATE/TIN 02/28/17 1:

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY <u>1892428-06,07,08,09,10,11,12,13,14,15</u>

Method Blank (MB)

(MB) R3199454-1 0	2/25/17 14:06			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000600			

L892428-15 Original Sample (OS) • Duplicate (DUP)

(OS) L892428-15 02/25/17	14:06 • (DUP)	R3199454-3 0	2/25/17 14	:06				
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits		
Analyte	%	%		%		%		
Total Solids	87.3	87.8	1	0.498		5		

Laboratory Control Sample (LCS)

(LCS) R3199454-2 02	/25/17 14:06					
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier	
Analyte	%	%	%	%		
Total Solids	50.0	50.0	100	85.0-115		

ACCOUNT: XTO Energy - San Juan Division

PROJECT:

SDG: L892428 DATE/TIN 02/28/17 1:

Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3199455-1 02	/25/17 14:23			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.000800			

L892441-01 Original Sample (OS) • Duplicate (DUP)

(OS) L892441-01 02/25/17	14:23 • (DUP) R	3199455-3 02	2/25/17 14:	23		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	%	%		%		%
Total Solids	91.4	92.3	1	0.970		5

Laboratory Control Sample (LCS)

(LCS) R3199455-2 02/25/1	7 14:23				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	%	%	%	%	
Total Solids	50.0	50.0	100	85.0-115	

ACCOUNT: XTO Energy - San Juan Division PROJECT:

SDG: L892428 DATE/TIN 02/28/17 1;

Wet Chemistry by Method 9056A

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3199795-2 02/2	7/17 14:30			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
Chloride	U		0.795	10.0

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

(LCS) R3199795-3 02/27/	17 14:50 • (LCSI	D) R3199795-4	02/27/17 15:11							
	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	%	%	%			%	%
Chloride	200	191	191	95	96	80-120			0	15

L892428-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L892428-02 02/27/17	7 17:13 • (MS) R3	3199795-6 02/	27/17 17:33 • (M	SD) R3199795	-7 02/27/17 17:	54					
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	R
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%
Chloride	60.6	3190	3580	3670	66	80	10	80-120	$\underline{\vee}$		2

ACCOUNT: XTO Energy - San Juan Division PROJECT:

SDG: L892428 DATE/TIN 02/28/17 1:

Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

Method Blank (MB)

(S) a,a,a-Trifluorotoluene(PID) 103

(MB) R3199837-5 02/27/17 12:37 **MB** Result **MB** Qualifier MB MDL MB RDL Analyte mg/kg mg/kg mg/kg U 0.000120 0.000500 Benzene Toluene 0.000275 J 0.000150 0.00500 0.000149 Ethylbenzene ī 0.000110 0.000500 **Total Xylene** U 0.000460 0.00150 TPH (GC/FID) Low Fraction U 0.0217 0.100 (S) a,a,a-Trifluorotoluene(FID) 97.8 77.0-120

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

(LCS) R3199837-1 02/27/17	10:47 • (LCSD)	R3199837-2 (2/27/17 11:09							
	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	%	%	%			%	%
Benzene	0.0500	0.0461	0.0461	92.1	92.2	71.0-121			0.0700	20
Toluene	0.0500	0.0457	0.0451	91.5	90.2	72.0-120			1.35	20
Ethylbenzene	0.0500	0.0456	0.0454	91.3	90.8	76.0-121			0.580	20
Total Xylene	0.150	0.136	0.136	90.7	90.5	75.0-124			0.150	20
(S) a,a,a-Trifluorotoluene(FID)				96.9	97.0	77.0-120				
(S) a,a,a-Trifluorotoluene(PID)				101	101	75.0-128				

75.0-128

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

Kalayee mg/kg mg/kg mg/kg k K									
Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
mg/kg	mg/kg	mg/kg	%	%	%			%	%
5.50	5.75	5.97	105	109	70.0-136			3.78	20
)			105	105	77.0-120				
))			111	111	75.0-128				
	Spike Amount mg/kg 5.50	Spike AmountLCS Resultmg/kgmg/kg5.505.75	Spike AmountLCS ResultLCSD Resultmg/kgmg/kgmg/kg5.505.755.97	Spike AmountLCS ResultLCSD ResultLCS Rec.mg/kgmg/kgmg/kg%5.505.755.971050105105	Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. mg/kg mg/kg mg/kg % % 5.50 5.75 5.97 105 109 0 105 105 105 105	Spike Amount LCS Result LCS Result LCS Rec. LCSD Rec. Rec. Limits mg/kg mg/kg mg/kg % % % 5.50 5.75 5.97 105 109 70.0-136 mg/kg 105 105 77.0-120	Spike AmountLCS ResultLCS D ResultLCS Rec.LCSD Rec.Rec. LimitsLCS Qualifiermg/kgmg/kg%%%%%5.505.755.9710510970.0-136mg/kg10510577.0-120105105105	Spike AmountLCS ResultLCS D ResultLCS Rec.LCSD Rec.Rec. LimitsLCS QualifierLCSD Qualifiermg/kgmg/kg%%%5.505.755.9710510970.0-136mg/kg10510577.0-120	Spike AmountLCS ResultLCS D ResultLCS D Rec.LCS D Rec.Rec. LimitsLCS QualifierLCSD QualifierRPDmg/kgmg/kg%%%%%%5.505.755.9710510970.0-1363.78mg/kg10510577.0-1203.78

L892175-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L892175-01 02/27/17	14:21 • (MS) R31	99837-6 02/2	7/17 14:43 • (MS	D) R3199837-7	02/27/17 15:0	06					_
		Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	R
1	Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%
ł	Benzene	0.0584	0.000800	0.0132	0.0136	21.2	21.9	1	10.0-146			2
1	Toluene	0.0584	0.000737	0.00876	0.00879	13.7	13.8	1	10.0-143			0
E	Ethylbenzene	0.0584	0.000185	0.00537	0.00569	8.89	9.43	1	10.0-147	<u>J6</u>	JG	5
1	Total Xylene	0.175	0.000675	0.0164	0.0165	8.99	9.04	1	10.0-149	<u>J6</u>	JG	0
	0.0	COUNT			PRO	IF CT			CDC.		DATE	-

ACCOUNT:	PROJECT:	SDG:	DATE/TIN
XTO Energy - San Juan Division		L892428	02/28/17 1:

Volatile Organic Compounds (GC) by Method 8015/8021

QUALITY CONTROL SUMMARY

L892175-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L892175-01 02/27/17 1	(OS) L892175-01 02/27/17 14:21 • (MS) R3199837-6 02/27/17 14:43 • (MSD) R3199837-7 02/27/17 15:06										
	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	R
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%
(S) a,a,a-Trifluorotoluene(FID)					97.2	96.4		77.0-120			
(S) a,a,a-Trifluorotoluene(PID)					102	101		75.0-128			

L892175-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

MSD Qualifier	R
	%
	3
	MSD Qualifier

ACCOUNT:
XTO Energy - San Juan Division

PROJECT:

SDG: L892428 DATE/TIN 02/28/17 13

Semi-Volatile Organic Compounds (GC) by Method 8015

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3199754-1 02/27/1	7 12:44			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
TPH (GC/FID) High Fraction	U		0.769	4.00
(S) o-Terphenyl	61.6			18.0-148

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

(LCS) R3199754-2 02/27/	17 12:55 • (LCSI	D) R3199754-3	02/27/17 13:00	5						
	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) High Fraction	60.0	49.9	48.8	83.1	81.4	50.0-150			2.14	20
(S) o-Terphenyl				76.0	73.5	18.0-148				

ACCOUNT: XTO Energy - San Juan Division PROJECT:

SDG: L892428 DATE/TIN 02/28/17 1:

GLOSSARY OF TERMS

Cp ²Tc ³Ss ⁴Cn ⁵Sr ⁶Qc

-

⁸Al ⁹Sc

Abbreviations and Definition

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SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	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.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

SDG:

DATE/TIME:

ACCREDITATIONS & LOCATIONS

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

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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	1	AIHA 10	00789
A2LA - ISO 17025 ⁵ 1461.0	2	DOD 14	461.01

AZLA - 150 17025	1401.02	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 ^{-/a} 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.



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11		Quoto	Number						An	alysi	s/Cont
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/ Sample ID	Sam	ple Name	Media	Date	Time	Preservative	Conts.	1+	Ę.	0	
SALTY DOG \$4	50	recis	5	2/24	9:00	ON ICE	1) for Ju	X	X	×	
	Cuber	+ EXIT			9:10			x	λ	X	
	Culve	201 tre			9:20					X	
	Culve	x7 200'			9:30					X	
	Culse	vt 300'			9:40					X	
	WASH	ENTRY			9:50			X	X	X	
	WASH	BACKROOM	D		10:00					X	
	NASH	100'			10:10					X	
	NASH	200'			10:20					X	
	WASH	300'			10:30					X	
	WASH	400'			10:40					X	
	WASH	500'			10:50					X	
٨	WASH	600'			11:00					X	
Media : Filter = E Soil = S Waster	unter = WW	Groundwater	= GW Dri	inking W	aster = DV	W Sludge = SG Su	rface Water	= SW	Air =	A D	rill Mud
Relinquished By: (Signature)	_		Date: 2 - 24	-17	Time: 2:30	Received By: (Sig	(nature)				Nu
Relinquished By: (Signature)	V		Date:		Time:	6127	6739	4	127	3	Te
Relinquished By: (Signature)			Date:		Time:	Received for Lat		ture)	1		Do
Comments						C	20	\supset	×		

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

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Amt Huplu	P				Date No		No. of	E	E	#		
/ Sample ID	Som	pie Name	Media	Date	Time	Preservative	Conts.	F	P	0		
SALTY DOG #4	WASH	700	5	2/24	11:10	ON YES (NA02 JA	0		X		
1	WASH	800'			11:20					X		
	WASH	900'			11:30					X		
	WAS	A LEOD'			11:40			X	x	X		
		COMPANY THE CONTRACTOR OF THE										-
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* Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

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	ESC LAB SCI	ENCES	
	Cooler Recei	ot Form	
Client:	XTORNM	SDG#	8924
Cooler Received/Opened On: 2/ 25	/17	Temperature:	3,2
Received By: Don Wright			
Signature:			
	. <u>8 1 1 1</u> .		1. A. A.
Receipt Check List		NP	Yes
COC Seal Present / Intact?			
COC Signed / Accurate?			1
COC Signed / Accurate? Bottles arrive intact?			4
COC Signed / Accurate? Bottles arrive intact?			(11)
COC Signed / Accurate? Bottles arrive intact? Correct bottles used?			
COC Signed / Accurate? Bottles arrive intact? Correct bottles used? Sufficient volume sent?			

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