9, District 1

## State of New Mexico Resources

ision s Dr. 15

Form C-141 Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

<b>T</b>	1 37
1000 Rio Brazos Road, Aztec, NM 87410  District IV 1220 S St Francis Dr , Santa Fe, NM 87505	1220 South St. Francis Santa Fe, NM 8750
District II 1301 W Grand Avenue, Artesia, NM 88210 District III	Energy Minerals and Natural Oil Conservation Divi
1625 N French Dr , Hobbs, NM 88240	

Release Notification and Corrective Action							
30-045-06472	OPERATOR ☐ Initial Report ☒ Final Report						
Name of Company: XTO Energy, Inc.	Contact: Logan Hixon						
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3683						
Facility Name: Florance LS #4 (API 30-045-06472)	Facility Type: Gas Well (Mesa Verde)						
Surface Owner: Federal Mineral Owner	Lease No.: NMSF078625						
	N OF RELEASE						
Unit Letter Section Township Range Feet from the Nort K 18 27 N 8 W 1550	h/South Line Feet from the East/West Line County FSL 1825 FWL San Juan County						
	00 Longitude: W-107 724800 OIL CONS. DIV.						
N.I.A. TEVELINA	DIST. 3						
Type of Release. Produced Water	Volume of Release: Unknown Volume Recovered: None						
Source of Release: BGT 95 BBL BGT	Date and Hour of Occurrence: Date and Hour of Discovery						
W. I	Historical November 7, 2011						
Was Immediate Notice Given?  ☐ Yes ☐ No ☒ Not Required	If YES, To Whom?						
By Whom?	Date and Hour:						
Was a Watercourse Reached?  ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.						
If a Watercourse was Impacted, Describe Fully.*							
Describe Cause of Problem and Remedial Action Taken.*  The two below grade tank were taken out of service at the Florance I.S.*	4 well site due to the plugging and abandoning of this well site. A composite						
	mitted for laboratory analysis for TPH via USEPA Method 418 1 and 8015,						
Benzene and BTEX via USEPA Method 8021, and for total chlorides T	he sample for the 21 bbl BGT returned results below the 'Pit Rule' spill						
confirmation standards for TPH, Benzene, Total BTEX and the total chl	orides. The sample for the 95 bbl BGT returned results below the 'Pit Rule' spill						
	ule" spill confirmation standards for chlorides, but above the 'pit rule' standards						
	was then ranked pursuant to the NMOCD Guidelines for the Remediation of the to a distance of less than 1000' to a dry arroyo. This set the closure standard to						
1000 ppm TPH, 50 ppm BTEX and 10 ppm benzene.	to a distance of less than 1000 to a dry arreyo. This set the closure standard to						
Describe Area Affected and Cleanup Action Taken *							
Based on TPH results of 1380 PPM via USEPA Method 418 1, it has be	en confirmed that a release had occurred on this location. The BGT closure						
	elow the regulatory standards determined for this site pursuant to the NMOCD						
required regarding this incident.	cable analytical results are attached for your reference. No further action is						
I hereby certify that the information given above is true and complete to	the best of my knowledge and understand that pursuant to NMOCD rules and						
regulations all operators are required to report and/or file certain release	notifications and perform corrective actions for releases which may endanger						
public health or the environment The acceptance of a C-141 report by t	he NMOCD marked as "Final Report" does not relieve the operator of liability						
	ate contamination that pose a threat to ground water, surface water, human health						
federal, state, or local laws and/or regulations.	does not relieve the operator of responsibility for compliance with any other						
, , , , , , , , , , , , , , , , , , , ,	OIL CONSERVATION DIVISION						
Signature: do							
Signature.	Approved by District Supervisor:						
Printed Name: Logan Hixon	Approved by District Supervisor.						
Title Environmental Technician	Approval Date 3/21/2012 Expiration Date (						
E-mail Address: Logan_Hixon@xtoenergy.com	Conditions of Approval  Attached						
Date: 3/6/2012 Phone 505-333-3683							
Date: 3/6/2012 Phone 505-333-3683 NTK 1268142812							



<u>N</u>	ON-CONFORMANCE FORM
Login No.:	DAPhre
Non-Conformance (check appl	icable items)
☐ Parameter(s) past holding time ☐ Improper temperature ☐ Improper container type ☐ Improper preservation ☐ Container lid not intact	Login Clarification Needed  Chain of custody is incomplete  Chain of Custody is missing (see below)  Broken container(s) (See below)  Broken container sufficient sample
If no COC Received by	Insufficient packing material inside cooler Improper handling by carrier (FedEx / UPS / Courier
Login Instructions:	TSR Initials: TOC
Client informed by call / email / fax Client contact:  BIEX GRO	



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

Monday November 07, 2011

Report Number: L544273 Samples Received: 10/29/11 Client Project:

Description: BGT Closure / Florance LS 4

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 - I-2327, CT - PH-0197, FL - E87487 GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704, ND - R-140 NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233 AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032008A, TX - T104704245, OK-9915, PA - 68-02979

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

November 07,2011

Project # :

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

Date Received : October 29, 2011
Description : BGT Closure / Florance LS 4

Sample ID : 21 BBL BGT

Collected By : Brad Griffith Collection Date : 10/28/11 07:57

ESC Sample # : L544273-01

Site ID : FLORANCE LS 4

Parameter		Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride		64.	12.	mg/kg	9056	11/03/11	1
Total Solids		81.		8	2540G	11/04/11	1
Benzene Toluene Ethylbenzene Total Xylene TPH (GC/FID) Low Fract. Surrogate Recovery-%	ıon	BDL BDL BDL BDL	0.0031 0.031 0.0031 0.0092 0.62	mg/kg mg/kg mg/kg mg/kg mg/kg	8021/8015 8021/8015 8021/8015 8021/8015 GRO	11/01/11 11/01/11 11/01/11 11/01/11 11/01/11	5 5 5 5 5
a,a,a-Trifluorotoluene a,a,a-Trifluorotoluene		94.5 93.7		% Rec. % Rec	8021/8015 8021/8015	11/01/11 11/01/11	5 5
TPH (GC/FID) High Fractions Surrogate recovery(%)	tion	BDL	4 9	mg/kg	3546/DRO	11/04/11	1
o-Terphenyl		59.9		% Rec.	3546/DRO	11/04/11	1

Results listed are dry weight basis BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) Note:

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ESC Sample # : L544273-02

REPORT OF ANALYSIS

November 07,2011

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

Date Received : October 29, 2011
Description : BGT Closure / Florance LS 4

Site ID : FLORANCE LS 4 Sample ID : 95 BBL BGT

Project # :

Collected By : Brad Griffith Collection Date : 10/28/11 07:59

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dıl.
Chloride	250	13.	mg/kg	9056	11/03/11	1
Total Solids	79.		8	2540G	11/04/11	1
Benzene Toluene Ethylbenzene Total Xylene TPH (GC/FID) Low Fraction Surrogate Recovery-%	BDL BDL BDL BDL BDL	0.0032 0.032 0.0032 0.0095 0.63	mg/kg mg/kg mg/kg mg/kg mg/kg	8021/8015 8021/8015 8021/8015 8021/8015 GRO	11/01/11 11/01/11 11/01/11 11/01/11 11/01/11	5 5 5 5 5
a,a,a-Trifluorotoluene(FID) a,a,a-Trifluorotoluene(PID)	94.4 94.5		% Rec % Rec	8021/8015 8021/8015	11/01/11 11/01/11	5 5
TPH (GC/FID) High Fraction	31.	5.1	mg/kg	3546/DRO	11/03/11	1
Surrogate recovery(%) o-Terphenyl	71.2		% Rec.	3546/DRO	11/03/11	1

Results listed are dry weight basis BDL - Below Detection Limit Det. Limit - Practical Quantitation Limit(PQL) Note:

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Aztec, NM 87410

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

Quality Assurance Report Level II Tax I D 62-0814289

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Est. 1970

L544273

November 07, 2011

n 1 · · · ·	B 1 .		ratory Blar		- ,	_		
Analyte	Result	Unit	ts ŧ	Rec	Limit	88	atch I	Date Analy
Benzene	< .0005	mg/}	ka			W	G563388 I	1/01/11 1
Ethylbenzene	< 0005	mq/1						1/01/11 1
Coluene	< 005	mq/l						11/01/11 1
PH (GC/FID) Low Fraction	< 1	mq/l						11/01/11 1
Total Xylene	< 0015	mg/l						11/01/11 1
a,a,a-Trifluorotoluene(FID)	/ 0013	8 Re		95 09	59-128			11/01/11 1
a,a,a-Trifluorotoluene(PID)		% Re		95 09	54-144			11/01/11 1
Chloride	< 10	mg/l	kg			W	G563720 1	11/03/11 1
Total Solids	< 1	0				W	G563566 1	11/04/11 1
TPH (GC/FID) High Fraction	< 4	ppm				W	G563941 1	11/04/11 1
o-Terphenyl		% Re	ec.	76 10	50-150	W	G563941 1	1/04/11 1
TPH (GC/FID) High Fraction	< 4	ppm						1/03/11 1
o-Terphenyl		% Re	ec	66.04	50-150	W	G563742 1	1/03/11 1
			Duplicate					
Analyte	Units	Result	Duplicat	e RPD	Limit	- I	Ref Samp	Bato
Total Solids	8	91.0	86 2	5 73	5	1	L544344-0	07 ₩G5€
		Laborato	ry Control	Sample				
Analyte	Units	Known Va	<u> </u>	Result	% Rec	L:	ımıt	Bato
Benzene	mg/kg	.05	C	.0465	93 1	7 (	6-113	WG56
Ethylbenzene	mg/kg	0.5	C	0446	89 3	78	8-115	WG56
Coluene	mg/kg	0.5	C	0484	96 7	7 (	6-114	WG56
otal Xylene	mg/kg	15	C	132	87 9	8:	1-118	WG56
,a,a-Trifluorotoluene(PID)	, ,				93.74	5	4-144	WG56
PH (GC/FID) Low Fraction	mg/kg	5 5	5	38	97.8		7-135	WG56
,a,a-Trifluorotoluene(FID)	57 11-9		~	•	103 2		9-128	WG56
hloride	mg/kg	200	2	10	105	8.	5-115	WG56
otal Solids	8	50	5	0 0	100.	8	5-155	WG56
PH (GC/FID) High Fraction	ppm	60	4	5 5	75.8	5(	0-150	WG56
-Terphenyl					73 51		0-150	WG56
ГРН (GC/FID) High Fraction	ppm	60	4	9.5	82 6	50	0-150	WG56
o-Terphenyl					80.15	50	0-150	WG56
21.00		boratory Cor				200	<b>v</b>	
nalyte	Units R	esult Re	er %	Rec	Limit	RPD	Lımı	t Bato
enzene				2 0	76-113	1.53	20	WG56
thylbenzene				8 0	78-115	1.29	20	WG56
oluene				6.0	76-114	0 600	20	WG56
otal Xylene * Performance of this Analyte			132 8	3 0	81-118	5 20	20	WG56

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L544273

November 07, 2011

Unite				ıcate	Tama t	DDD	T.m.+	Batch
0111.03	Kesuit	Wer			DIMILC	KED	DIMIL	Da c Ci
			93 85		54-144			
mg/kg	5 50	5 38	100		67-135	2.36	20	WG56:
			103.2		59-128			WG56
mg/kg	205	210.	102		85-115	2.41	20	WG56:
maa	49 0	45.5	82 0		50-150	7.35	25	WG56
P.F	., ,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	78 06		50-150			WG56
maa	45.2	49.5	75 0		50-150	9 26	25	WG56:
			74 51		50-150			WG563
		Matrix Sn	1 ka					
Units	MS Res			% Rec	Limit		Ref Samp	Batch
mg/kg		•						WG56:
	0 230	0 00370						WG56
mg/kg	0 249	0					L544313-01	WG56
mg/kg	0.695	0 0630	15	84 2	16-141		L544313-01	WG56
				94 34	54-14	4		WG56:
mg/kg	24 6	0	5 5	89 6 55-109		9	L544313-01	WG56
3.				98 75	59-128	3		WG56
maa	116	70 0	60	76 6	50-150	0	L544298-02	WG56:
F 1				83 54	50-150	כ		WG56
maa	46.3	0	60	77.2	50-150	)	1.544425-38	WG563
pp		·		58 41				WG56:
	Mat	riv Snike D	unlicate					
Units	MSD			Limit	RPD	Limit	Ref Samp	Batch
ma/ka	0 104	0 213 7	7 /	32-137	9 42	30	T 544313=01	WG56:
		0.1.40						WG56
								WG56
								WG56.
mg/kg	0 627				10 2	46	10-2124513	
					2 0 .	0.0	* 5 4 4 2 3 2 2 2 2	WG56.
mg/kg	23 1				3 84	20	L544313-U1	WG56
			98 64	59-128				WG56
mag	67 7	116. 0	*	50-150	52 6*	25	L544298-02	WG56
rr			83 78	50-150	<b>*</b>		<del>-</del>	WG56
mqq	41 8	46 3 6	9.6	50-150	10 3	25	L544425-38	WG56
	mg/kg mg/kg ppm  Units mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	### Units Result    mg/kg	### Units Result Ref    mg/kg   5 50	Units   Result   Ref   % Rec     93 85   100   103.2	mg/kg 5 50 5 38 100 103.2  mg/kg 205 210. 102  ppm 49 0 45 5 82 0 78 06  ppm 45.2 49.5 75 0 74 51   Matrix Spike Units MS Res Ref Res TV % Rec  mg/kg 0 213 0 05 85 1 mg/kg 0 230 0 00370 05 90 6 mg/kg 0 249 0 05 99.6 mg/kg 0.695 0 0630 15 84 2 94 34 mg/kg 0.695 0 0630 15 84 2 94 34 mg/kg 24 6 0 5 5 89 6 98 75  ppm 116 70 0 60 76 6 83 54  ppm 46.3 0 60 77.2 58 41  Matrix Spike Duplicate Units MSD Ref %Rec Limit  mg/kg 0 194 0.213 77 4 32-137 mg/kg 0 208 0.230 81 8 10-150 mg/kg 0 226 0.249 90 2 20-142 mg/kg 0 627 0 695 75.3 16-141 mg/kg 0 37 24 6 86 2 55-109 98 64 59-128  ppm 67 7 116. 0* 50-150	Units Result Ref %Rec Limit  mg/kg 5 50 5 38 100 67-135 103.2 59-128  mg/kg 205 210. 102 85-115  ppm 49 0 45 5 82 0 50-150 78 06 50-150  ppm 45.2 49.5 75 0 50-150  ppm 45.2 49.5 75 0 50-150  mg/kg 0 213 0 05 85 1 32-137 mg/kg 0 230 0 00370 05 90 6 10-150 mg/kg 0 249 0 05 99.6 20-142 mg/kg 0.695 0 0630 15 84 2 16-141 mg/kg 0 24 6 0 5 5 89 6 55-105 ppm 46.3 0 60 77.2 50-150  Matrix Spike Duplicate Units MSD Ref %Rec Limit RPD  Matrix Spike Duplicate Units MSD Ref %Rec Limit RPD  mg/kg 0 298 0.230 81 8 10-150 10.1 mg/kg 0 208 0.230 81 8 10-150 10.1 mg/kg 0 226 0.249 90 2 20-142 9 84 mg/kg 0 627 0 695 75.3 16-141 10 2 mg/kg 0 37 24 6 86 2 55-109 3 84 ppm 67 7 116. 0* 50-150 52 6*	Units Result Ref %Rec Limit RPD  mg/kg 5 50 5 38 100 67-135 2.36  mg/kg 205 210. 102 85-115 2.41  ppm 49 0 45 5 82 0 50-150 7.35  ppm 45.2 49.5 75 0 50-150 9 26  This mg/kg 0 213 0 05 85 1 32-137  mg/kg 0 213 0 05 99.6 10-150  mg/kg 0 223 0 00370 05 90.6 10-150  mg/kg 0 249 0 05 99.6 20-142  mg/kg 0 349 0 05 99.6 20-142  mg/kg 0 3695 0 0630 15 84 2 16-141  mg/kg 0 46 0 5 5 89 6 55-109  ppm 46.3 0 60 77.2 50-150  matrix Spike Duplicate Units MSD Ref %Rec Limit RPD Limit  mg/kg 0 194 0.213 77 4 32-137 9 42 39  mg/kg 0 194 0.213 77 4 32-137 9 42 39  mg/kg 0 194 0.213 77 4 32-137 9 42 39  mg/kg 0 194 0.213 77 4 32-137 9 42 39  mg/kg 0 194 0.213 77 4 32-137 9 42 39  mg/kg 0 208 0.230 81 8 10-150 10.1 44  mg/kg 0 226 0.249 90 2 20-142 9 84 42  mg/kg 0 226 0.249 90 2 20-142 9 84 42  mg/kg 0 627 0 695 75.3 16-141 10 2 46  mg/kg 0 627 0 695 75.3 16-141 10 2 46  mg/kg 0 627 0 695 75.3 16-141 10 2 46  mg/kg 0 57 116. 0* 50-150 52 6* 25	Units   Result   Ref   \$Rec   Limit   RPD   Limit

Batch number /Run number / Sample number cross reference

WG563388 R1916795 L544273-01 02 WG563720 R1920893 L544273-01 02 WG563566 R1921291 L544273-01 02

<sup>\*</sup> 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

WG563941 R1921494. L544273-01 WG563742 R1921573 L544273-02

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<sup>\* \*</sup> 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

L544273

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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November 07, 2011

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												A108	
Company Name/Address			Alternate Bi	lling				Analy	/sis/Conta	iner/Preserv	ative		Chain of Custody
XTO ENERGY, IN	·C.	is Tourist						gAIL.		Pageof			
382 County Road 3100 AZTEC, NM 87410												Prepared by	
													ONMENTAL ICE CORP
			Report to Jan	nes McDaniel								12065 Lebar	l l
			E-mail to jame	es_mcdaniel@xt	oenergy com		1					Mt. Juliet TN	1
Project Description BGT Closure	FLORAN	ITE L	5 #4	City/S	tate Collected							Phone (615)	
PHONE 505-333-3701	Client Project N	No.		Lab Project#		<u> </u>						Phone (800	767-5859
FAX						1						. FAX (61	5)758-5859
Collected by Brad Griffith	Site/Facility ID#	FLURAN	15 65 to	PO#		+					100 K	CoCode	(lab use only)
Collected by(signature)	Rush? (L	ab MUST b	e Notified)	Date Results	Needed	No						XTORNM	(2) (2) (2) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Bl 6/1/2		lext Day WO Day	100% 50%	Email?No		of			es			Template/Prelogin	
Packed on Ice NY_X_		hree Day	25%	FAX?No	Yes	ľ	Ω.	7	Chlorides			Shipped Via Fed Ex	
Sample ID	Comp/Grab	Matrix	Depth	Date	Time	Cntrs	, œ,	8021	む			Remarks/contaminant	Sample # (lab only)
21 BBL BGT	COMP	ss	<u> </u>	10/28	757	1	X	X	X				12544273401
95 BBL BGT	COMP	ss		10/28	759	1	X	X	X	5.5	H.A.		10 J
									i <u>i</u>		<b>城</b> 名		
				<u> </u>									
								***					
		· · · · · ·				T -		-					
										22			
								, 400K					
Matrix SS-Soil/Solid GW-Groundw	rater WW-Wa	stewater [	OW-Drinking \	Water OT-O	her						рН	Temp	
Remarks "ONLY 1 COC Per Site			3								,	Flow	Other
Relinquisher by (Signature  Relinquisher by (Signature	Date /0/28	Time 0925	Received by (		J. V. J.		Sam		irned via F	edEX_UPS_		Condition	(lab use only)
Relinquisher by (Signature	Date	Time	Received 6	lab by: (Signature	Market March	18 2 <b>1</b> 2 2 1	Date		3.1°		19	pH Checked	NOF_
ivenidabile to (Signature ***	Date	, mie	AL						પા	7 090	o .		



## **EPA METHOD 418.1** TOTAL PETROLEUM HYDROCARBONS

Client:	XTO	Project #:	98031-0528
Sample ID:	21 BBL BGT	Date Reported:	10/28/11
Laboratory Number:	60132	Date Sampled:	10/28/11
Chain of Custody No:	12837	Date Received:	10/28/11
Sample Matrix:	Soil	Date Extracted:	10/28/11
Preservative:	Cool	Date Analyzed:	10/28/11
Condition:	Intact	Analysis Needed:	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

**Total Petroleum Hydrocarbons** 

72.0

7.2

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Florance LS #4

Review



# EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	XTO	Project #:	98031-0528
Sample ID:	95 BBL BGT	Date Reported:	10/28/11
Laboratory Number:	60133	Date Sampled:	10/28/11
Chain of Custody No:	12837	Date Received:	10/28/11
Sample Matrix:	Soil	Date Extracted:	10/28/11
Preservative:	Cool	Date Analyzed:	10/28/11
Condition:	Intact	Analysis Needed.	TPH-418.1

		Det.
	Concentration	Limit
Parameter	(mg/kg)	(mg/kg)

**Total Petroleum Hydrocarbons** 

1,380

7.2

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No. 4551, 1978.

Comments:

Florance LS #4

Review



## **EPA METHOD 418.1** TOTAL PETROLEUM HYDROCARBONS **QUALITY ASSURANCE REPORT**

Client<sup>1</sup>

QA/QC

Project #:

N/A

Sample ID:

QA/QC

Date Reported.

10/28/11

Laboratory Number:

10-28-TPH.QA/QC 60132

Date Sampled:

N/A

Sample Matrix:

Freon-113

10/28/11

Date Analyzed:

10/28/11 10/28/11

Preservative: Condition:

N/A N/A Date Extracted: Analysis Needed:

**TPH** 

Calibration | -Cal Date | C-Cal Date | I-Cal RE

1,720

-Cal RF: % Difference Accept Range 4.4%

+/- 10%

10/18/2011

1.800

**TPH** 

ND

7.2

Duplicate Conc. (mg/Kg)

**TPH** 

72.0

64.8

% Différence : Accept Range 10.0%

+/- 30%

**TPH** 

Sample 🔏 72.0

2,000

Spike Added Spike Result % Recovery Accept Range 1,870

90.3%

80 - 120%

ND = Parameter not detected at the stated detection limit.

References:

Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water

and Waste, USEPA Storet No 4551, 1978.

Comments:

QA/QC for Samples 60132 and 60133.

Review

# CHAIN OF CUSTODY RECORD

12837

Client Project Name / Location				j'				ANALYSIS / PARAMETERS															
XTO FLORANCE				LS	#4																		
Client Address: Sampler Name								2	21)	6													
S82 FORD SIDD BRAD GZ Client Phone No.: Olient No			21F1=117+			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	<u>s</u>	_								, ]					
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787-0519		98031-0528					Met	(Me	Met	RCRA 8 Metals	Cation / Anion		TCLP with H/P		TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact		
Sample No /	Sample No / Sample Sam		ole Lab No	S	ample	No /Volume Preservative		Ĭ.	E	0	Ä	tion		<u>ا</u>	I	Ĭ.	일				ld m	ᇤ	
Identification	Date	Time		ļ	Matrix	Containers Ho		HgCl, HCl		<u>m</u>	>	<u>\</u>	්	<u>S</u>	12	PAH	上	ᇰ	<u> </u>			Sa	Sa
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Relinquished by: (Signature)  BL 6444			Date 16/78	Time 0905	1	Received by: (Signature) Teuroul Wim MX									Date (V-29) 0			Time 9:05					
Relinquished by (Signature)			10/28	CAUS		Received by: (Signature)									-0								
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