

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: XTO Energy, Inc.	Contact: Kurt Hoekstra
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No.: (505) 333-3202
Facility Name: Bell Federal Gas Com B # 1 E (30-045-25643)	Facility Type: Gas Well (Basin Dakota)

Surface Owner: Federal	Mineral Owner:	Lease No.: NM-0546
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LOCATION OF RELEASE

Unit Letter F	Section 11	Township 30N	Range 13W	Feet from the 1790	North/South Line FNL	Feet from the 1650	East/West Line FWL	County San Juan
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Latitude: 36.82980 Longitude: -108.17729

RCVD OCT 23 '12

OIL CONS. DIV.
DIST. 3

NATURE OF RELEASE

Type of Release: Condensate and Produced Water	Volume of Release: < 5 BBL	Volume Recovered: 1 BBL
Source of Release: Below Grade Tank	Date and Hour of Occurrence: Unk	Date and Hour of Discovery: Friday, September 21st
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom? N/A	
By Whom? N/A	Date and Hour N/A	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.* N/A

Describe Cause of Problem and Remedial Action Taken.* The BGT at the Bell Federal Gas Com B # 1 E overflowed and spilled an estimated < 5 BBL of condensate and produced water into the BGT cellar. The spill was confirmed visually. The site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. The site was ranked a zero due to an estimated depth to ground water of > 100 feet a distance to surface water of > 1000 feet, and a distance to a water well of > 1000 feet. This set the closure standard to 5000ppm TPH, 50 ppm total BTEX and 10 ppm Benzene.

Describe Area Affected and Cleanup Action Taken.* A one call was made and on September 28th approximately 25 yards of impacted soil was excavated from the BGT cellar, sandstone was reached on all four sides and the bottom of the excavation. Samples were taken with the attached results. The sample results for TPH are well below the guidelines, however the total BTEX exceeded the closure standard. Brandon Powell NMOCD was contacted and it was recommended that Potassium Permanganate be applied to the excavation. A contractor was contacted and on October 5th Potassium Permanganate with a concentration of 0.5N and a mix rate of 33% was applied to the excavation, 33 gallons of liquid was sprayed on the floor and walls. Composite samples of the walls and bottom were again taken on October 8th with the attached results. Although total BTEX still exceeded guidelines, Benzene was well below the standard, since sandstone had been reached on all four sides and the bottom, XTO does not consider this a threat to Human Health and the environment and requested, and received permission to reset the BGT in this cellar, and backfill the remainder of the excavation.

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 the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: <i>Kurt Hoekstra</i>		OIL CONSERVATION DIVISION	
Printed Name: Kurt Hoekstra		Approved by District Supervisor: <i>Joseph D. Kelly</i>	
Title: Sr. Environmental Technician		Approval Date: <i>1/8/2014</i>	Expiration Date:
E-mail Address: Kurt_Hoekstra@xtoenergy.com		Conditions of Approval:	Attached <input type="checkbox"/>
Date: 10-18-2012	Phone: 505-333-3202		

NSK1400839377

Kurt Hoekstra/FAR/CTOC
10/02/2012 07:12 AM

To
cc
bcc

Subject Fw: Preliminary lab results Bell Federal GC B #1E

Hello Brandon, I am sending preliminary lab results for the Bell Federal Gas Com B # 1E, API # 30-045-25643, Sect. 11F, T-30N, R-13W San Juan County. XTO had a BGT overflow and spilled an estimated < 5 BBL produced water and condensate into the BGT cellar, and recovered approximately 1 BBL. This spill was discovered on Friday September 21st at 4:00 pm. A one call was made and on September 28th approximately 25 yards of impacted soil was excavated from the BGT cellar, sandstone was reached on all four sides and the bottom of the excavation. Samples were taken with the attached results. This location has been ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and releases. The site was ranked a zero due to an estimated depth to groundwater of > 100 feet and a distance to surface water of > 1000 feet and distance to a water well of > 1000 feet. This set the closure standard to 5000 ppm TPH, 50 ppm total BTEX and 10 ppm Benzene. The sample results for TPH are well below the guidelines, however the total BTEX exceeded the closure standard. I will call you and ask for your recommendations. Thanks for your time considering this matter.

Kurt Hoekstra
Sr. Environmental Technician
XTO Energy
505-333-3202 Office
505-486-9543 Cell
Kurt_Hoekstra@xtoenergy.com

From: laboratory
Sent: Monday, October 01, 2012 3:44 PM
To: James McDaniel (james_mcdaniel@xtoenergy.com)
Subject: Preliminary lab results Bell Federal GC B #1E

Location: Bell Federal GC B #1E

TPH (method 8015)

BGT Cellar Bottom	(mg/kg)
GRO	730
DRO	310
Total Petroleum Hydrocarbons	1,040

BGT Cellar Walls

GRO	688
DRO	217
Total Petroleum Hydrocarbons	905

BTEX (method 8021)

BGT Cellar Bottom	(ug/kg)
Benzene	28.6
Toluene	12,100
Ethylbenzene	9,560
P,m-xylene	66,500
o-xylene	25,800

Company Name/Address: XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410				Billing Information: XTO Energy Inc Accounts Payable 382 CR 3100 Aztec, NM 87410				Analysis/Container/Preservative <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> Report to: Project Description: BELL FEDERAL GAS COM B#1E Phone: (505) 333-3100 FAX: Collected by (print): KURT Collected by (signature): <i>Kurt Hockstra</i> Immediately Packed on Ice N <u>(Y)</u> </div> <div style="width: 40%;"> Email to: JAMES MCDANIEL KURT HOCKSTRA City/State Collected: Client Project #: ESC Key: Site/Facility ID#: P.O.#: Rush? <input checked="" type="checkbox"/> (Lab MUST Be Notified) <input checked="" type="checkbox"/> Same Day.....200% <input type="checkbox"/> Next Day.....100% <input type="checkbox"/> Two Day.....50% <input type="checkbox"/> Three Day.....25% Date Results Needed: Email? <input type="checkbox"/> No <input type="checkbox"/> Yes FAX? <input type="checkbox"/> No <input type="checkbox"/> Yes </div> </div>				Chain of Custody Page ___ of ___ <div style="text-align: center;"> ESC L.A.B S.C.I.E.N.C.E.S 12065 Lebanon Road Mt. Juliet, TN 37122 Phone: (800) 767-5859 Phone: (615) 758-5858 Fax: (615) 758-5859 C082 </div>			
CoCode: XTORNM (lab use only) Template/Prelogin Shipped Via:				Remarks/Contaminant Sample # (lab only)											

Sample ID	Comp/Grab	Matrix*	Depth	Date	T:me	No. of Cntrs												
BGT BOTTOM	Comp	SS	7'	10/8	10:50	1	X											1599665-01
BGT WALLS	Comp	SS	6'	10/8	11:00	1	X											-02

*Matrix: SS - Soil/Solid GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

5040 0636 7109

pH _____ Temp _____

Remarks:

Flow _____ Other _____

Relinquished by: (Signature) <i>Kurt Hockstra</i>	Date: 10/8	Time: 12:00	Received by: (Signature) <i>[Signature]</i>	Samples returned via: <input checked="" type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier	Condition: (lab use only)
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature) <i>[Signature]</i>	Temp: 26°C	Bottles Received: 2/462
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 10-9-12	Time: 0900
				CoC Seals Intact: Y N NA	pH Checked: NCF



12065 Lebanon Rd.
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(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

Wednesday October 10, 2012

Report Number: L599665

Samples Received: 10/09/12

Client Project:

Description: Bell Federal Gas Com B #1E

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.

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.



YOUR LAB OF CHOICE

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REPORT OF ANALYSIS

October 10, 2012

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

ESC Sample # : L599665-01

Date Received : October 09, 2012
Description : Bell Federal Gas Com B #1E

Site ID :

Sample ID : BGT BOTTOM 7FT

Project # :

Collected By : Kurt
Collection Date : 10/08/12 10:50

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	96.5	0.100	%	2540G	10/10/12	1
Benzene	0.65	0.26	mg/kg	8021B	10/09/12	500
Toluene	25.	2.6	mg/kg	8021B	10/09/12	500
Ethylbenzene	20.	0.26	mg/kg	8021B	10/09/12	500
Total Xylene	220	0.78	mg/kg	8021B	10/09/12	500
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene (PID)	107.		% Rec.	8021B	10/09/12	500

Results listed are dry weight basis.

BDL - Below Detection Limit

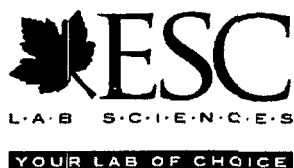
Det. Limit - Practical Quantitation Limit (PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 10/10/12 13:01 Printed: 10/10/12 13:01



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REPORT OF ANALYSIS

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

October 10, 2012

Date Received : October 09, 2012
Description : Bell Federal Gas Com B #1E
Sample ID : BGT WALLS 6FT
Collected By : Kurt
Collection Date : 10/08/12 11:00

ESC Sample # : L599665-02

Site ID :

Project # :

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Total Solids	97.7	0.100	%	2540G	10/10/12	1
Benzene	BDL	0.51	mg/kg	8021B	10/09/12	1000
Toluene	7.8	5.1	mg/kg	8021B	10/09/12	1000
Ethylbenzene	9.3	0.51	mg/kg	8021B	10/09/12	1000
Total Xylene	120	1.5	mg/kg	8021B	10/09/12	1000
Surrogate Recovery(%)						
a,a,a-Trifluorotoluene(PID)	108.		% Rec.	8021B	10/09/12	1000

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 10/10/12 13:01 Printed: 10/10/12 13:01

L599665-02 (BTEX) - Non-target compounds too high to run at a lower dilution.

Summary of Remarks For Samples Printed
10/10/12 at 13:01:38

TSR Signing Reports: 288
R2 - Rush: Next Day

Sample: L599665-01 Account: XTORNM Received: 10/09/12 09:00 Due Date: 10/10/12 00:00 RPT Date: 10/10/12 13:01

Sample: L599665-02 Account: XTORNM Received: 10/09/12 09:00 Due Date: 10/10/12 00:00 RPT Date: 10/10/12 13:01



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

Aztec, NM 87410

Quality Assurance Report
Level II

L599665

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October 10, 2012

Analyte	Result	Laboratory Blank		Limit	Batch	Date Analyzed
		Units	% Rec			
Benzene	< .0005	mg/kg			WG616994	10/09/12 14:54
Ethylbenzene	< .0005	mg/kg			WG616994	10/09/12 14:54
Toluene	< .005	mg/kg			WG616994	10/09/12 14:54
Total Xylene	< .0015	mg/kg			WG616994	10/09/12 14:54
a,a,a-Trifluorotoluene (PID)		% Rec.	105.7	54-144	WG616994	10/09/12 14:54
Total Solids	< .1	%			WG617003	10/10/12 09:30

Analyte	Units	Duplicate		Limit	Ref Samp	Batch
		Result	RPD			
Total Solids	%	86.0	88.5	5	L599647-06	WG617003

Analyte	Units	Laboratory Control Sample		Limit	Batch
		Known Val	Result	% Rec	
Benzene	mg/kg	.05	0.0518	104.	WG616994
Ethylbenzene	mg/kg	.05	0.0550	110.	WG616994
Toluene	mg/kg	.05	0.0531	106.	WG616994
Total Xylene	mg/kg	.15	0.164	109.	WG616994
a,a,a-Trifluorotoluene (PID)				106.0	WG616994
Total Solids	%	50	50.0	100.	WG617003

Analyte	Units	Laboratory Control Sample Duplicate		Limit	RPD	Limit	Batch
		Result	Ref	%Rec			
Benzene	mg/kg	0.0510	0.0518	102.	76-113	1.59	WG616994
Ethylbenzene	mg/kg	0.0541	0.0550	108.	78-115	1.66	WG616994
Toluene	mg/kg	0.0520	0.0531	104.	76-114	1.94	WG616994
Total Xylene	mg/kg	0.161	0.164	107.	81-118	1.81	WG616994
a,a,a-Trifluorotoluene (PID)				104.8	54-144		WG616994

Analyte	Units	Matrix Spike			Limit	Ref Samp	Batch
		MS Res	Ref Res	TV	% Rec		
Benzene	mg/kg	5.01	0.210	.05	96.0	L599329-01	WG616994
Ethylbenzene	mg/kg	8.80	4.30	.05	90.0	L599329-01	WG616994
Toluene	mg/kg	7.21	2.40	.05	96.2	L599329-01	WG616994
Total Xylene	mg/kg	29.4	17.0	.15	82.7	L599329-01	WG616994
a,a,a-Trifluorotoluene (PID)					104.8	54-144	WG616994

Analyte	Units	Matrix Spike Duplicate		Limit	RPD	Limit	Ref Samp	Batch
		MSD	Ref	%Rec				
Benzene	mg/kg	5.03	5.01	96.3	32-137	0.290	39	L599329-01
Ethylbenzene	mg/kg	8.74	8.80	88.7	10-150	0.750	44	L599329-01
Toluene	mg/kg	7.14	7.21	94.9	20-142	0.930	42	L599329-01
Total Xylene	mg/kg	29.1	29.4	80.9	16-141	0.920	46	L599329-01
a,a,a-Trifluorotoluene (PID)				104.7	54-144			WG616994

Batch number /Run number / Sample number cross reference

WG616994: R2382577: L599665-01 02

WG617003: R2382657: L599665-01 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.'



YOUR LAB OF CHOICE

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

Aztec, NM 87410

Quality Assurance Report
Level II

L599665

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October 10, 2012

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.



Report Summary

Client: XTO

Chain of Custody Number: 14497

Samples Received: 09-28-12

Job Number: 98031-0528

Sample Number(s): 63361-63362

Project Name/Location: Bell Federal GC B #1E

Entire Report Reviewed By: *Penn Gazzini* Date: 10-02-12

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.

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar Bottom	Date Reported:	10-01-12
Laboratory Number:	63361	Date Sampled:	09-28-12
Chain of Custody No:	14497	Date Received:	09-28-12
Sample Matrix:	Soil	Date Extracted:	09-28-12
Preservative:	Cool	Date Analyzed:	10-01-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	730	0.2
Diesel Range (C10 - C28)	310	0.1
Total Petroleum Hydrocarbons	1,040	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Bell Federal GC B#1E**

5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879



5796 US Highway 64, Farmington, NM 87401

Three Springs - 65 Mercado Street, Suite 115, Durango, CO 81301

Ph (505) 632-0615 Fx (505) 632-1865

Ph (970) 259-0615 Fr (800) 362-1879





**EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons**

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar Walls	Date Reported:	10-01-12
Laboratory Number:	63362	Date Sampled:	09-28-12
Chain of Custody No:	14497	Date Received:	09-28-12
Sample Matrix:	Soil	Date Extracted:	09-28-12
Preservative:	Cool	Date Analyzed:	10-01-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	688	0.2
Diesel Range (C10 - C28)	217	0.1
Total Petroleum Hydrocarbons	905	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Bell Federal GC B#1E



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	1001TCAL QA/QC	Date Reported:	10-01-12
Laboratory Number:	63350	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date	I-Cal RF	C-Cal RF	% Difference	Accept. Range
Gasoline Range C5 - C10	10-01-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	10-01-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%

Blank Conc. (mg/L - mg/Kg)	Concentration	Detection Limit
Gasoline Range C5 - C10	ND	0.2
Diesel Range C10 - C28	ND	0.1
Total Petroleum Hydrocarbons	ND	

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
Gasoline Range C5 - C10	ND	ND	0.0%	0 - 30%
Diesel Range C10 - C28	ND	ND	0.0%	0 - 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept. Range
Gasoline Range C5 - C10	ND	250	245	97.9%	75 - 125%
Diesel Range C10 - C28	ND	250	283	113%	75 - 125%

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Was
SW-846, USEPA, December 1996.

Comments: QA/QC for Samples 63350-63353 and 63359-63362



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar Bottom	Date Reported:	10-02-12
Laboratory Number:	63361	Date Sampled:	09-28-12
Chain of Custody:	14497	Date Received:	09-28-12
Sample Matrix:	Soil	Date Analyzed:	10-01-12
Preservative:	Cool	Date Extracted:	09-28-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	28.6	10.0
Toluene	12,100	10.0
Ethylbenzene	9,560	10.0
p,m-Xylene	66,500	10.0
o-Xylene	25,800	10.0
Total BTEX	114,000	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	88.4 %
	1,4-difluorobenzene	88.0 %
	Bromochlorobenzene	171 % *

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **Bell Federal GC B #1E**

* Note: High recovery due to interference



EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Cellar Walls	Date Reported:	10-02-12
Laboratory Number:	63362	Date Sampled:	09-28-12
Chain of Custody:	14497	Date Received:	09-28-12
Sample Matrix:	Soil	Date Analyzed:	10-01-12
Preservative:	Cool	Date Extracted:	09-28-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	53.1	10.0
Toluene	18,300	10.0
Ethylbenzene	16,600	10.0
p,m-Xylene	102,000	10.0
o-Xylene	43,000	10.0
Total BTEX	180,000	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	89.1 %
	1,4-difluorobenzene	87.7 %
	Bromochlorobenzene	158 % *

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Bell Federal GC B #1E

* Note: High recovery due to interference



**EPA METHOD 8021
AROMATIC VOLATILE ORGANICS**

Client:	N/A	Project #:	N/A
Sample ID:	1001BCA2 QA/QC	Date Reported:	10-02-12
Laboratory Number:	63361	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	10-01-12
Condition:	N/A	Analysis:	BTEX
		Dilution:	50

Calibration and Detection Limits (ug/L)	I-Cal RF	C-Cal RF	%Diff	Blank Conc	Detect Limit
		Accept. Range 0-15%			
Benzene	9.0010E-06	9.0444E-06	0.005	ND	0.2
Toluene	8.3530E-06	8.3530E-06	0.000	ND	0.2
Ethylbenzene	9.0928E-06	9.0928E-06	0.000	ND	0.2
p,m-Xylene	6.3743E-06	6.4079E-06	0.005	ND	0.2
o-Xylene	9.0214E-06	9.0214E-06	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect Limit
Benzene	28.6	28.5	0.003	0 - 30%	10
Toluene	12100	12700	0.050	0 - 30%	10
Ethylbenzene	9560	9480	0.008	0 - 30%	10
p,m-Xylene	66500	68800	0.035	0 - 30%	10
o-Xylene	25800	27000	0.047	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	28.6	2500	2670	106	39 - 150
Toluene	12100	2500	17300	118	46 - 148
Ethylbenzene	9560	2500	13900	115	32 - 160
p,m-Xylene	66500	5000	70800	99.0	46 - 148
o-Xylene	25800	2500	29000	102	46 - 148

ND - Parameter not detected at the stated detection limit.


Dilution: Spike and spiked sample concentration represent a dilution proportional to sample dilution.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: QA/QC for Samples 63359-63362

CHAIN OF CUSTODY RECORD

14497

Client: X70			Project Name / Location: BELL FEDERAL GC B#1E			ANALYSIS / PARAMETERS													
Email results to: JAMES M. DANIEL KURT HOOKSTEN			Sampler Name: KURT			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	CO Table 910-1	TPH (418.1)	CHLORIDE			Sample Cool	Sample Intact
Client Phone No.:			Client No.: 98031-0528																
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No./Volume of Containers	Preservative														
					HgCl ₂	HCl													
BGT CELLAR BOTTOM	9-28	12:45	63361	1 4oz Jar				X	X									✓	✓
BGT CELLAR WALLS	9-28	12:30	63362	1 4oz Jar				X	X									✓	✓
Relinquished by: (Signature) <i>Kurt Hooksten</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>										Date	Time	
Relinquished by: (Signature)					9-28	2:25	Received by: (Signature)										9/28/12	14:25	
Sample Matrix																			
Soil <input checked="" type="checkbox"/> Solid <input type="checkbox"/> Sludge <input type="checkbox"/> Aqueous <input type="checkbox"/> Other <input type="checkbox"/>																			
<input type="checkbox"/> Sample(s) dropped off after hours to secure drop off area.																			
<div style="display: flex; justify-content: space-between; align-items: center;"> <div> <i>RHS H</i> </div> <div style="text-align: center;">  envirotech Analytical Laboratory </div> </div>																			
5795 US Highway 64 • Farmington, NM 87401 • 505-632-0615 • Three Springs • 65 Mercado Street, Suite 115, Durango, CO 81301 • laboratory@envirotech-inc.com																			



5 1-866-479-5117 0

BELL FEDERAL GAS COM B #1E

1790' FNL 1650' FWL

SE/NW SEC 11F T30N R13W

LATITUDE 36° 82.98'

LONGITUDE 108° 17.78'

API # 30-045-25643

LEASE #NM-0546

SAN JUAN COUNTY, NEW MEXICO

DK CA #NMNM 73825



NO
TRESPAS



