

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: James McDaniel
Address: 382 Road 3100, Aztec, New Mexico 87410	Telephone No: (505) 333-33701
Facility Name: Valdez A #1E (30-045-24445)	Facility Type: Gas Well (Dakota)

Surface Owner: Private	Mineral Owner:	Lease No: Fee
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LOCATION OF RELEASE

Unit Letter G	Section 24	Township 29N	Range 11W	Feet from the 2390	North/South Line FNL	Feet from the 2560	East/West Line FEL	County San Juan County
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Latitude: N36 7119 Longitude: W-107 9428

NATURE OF RELEASE

Type of Release: Produced Water/Incidental Oil	Volume of Release: 10 bbls	Volume Recovered: ~ 10 bbls
Source of Release: Leaking BGT	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: May 16, 2012
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Brandon Powell	RCVD MAY 29 '12 OIL CONS. DIV.
By Whom? James McDaniel	Date and Hour: 5-17-2012 10:18 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse	DIST. 3

If a Watercourse was Impacted, Describe Fully *

Describe Cause of Problem and Remedial Action Taken *

On May 16, 2012 a leak was found on the below grade tank at the Valdez A #1E. There was approximately 10 BBL's lost inside the BGT cellar, with nearly 10 bbls recovered. This site was then ranked pursuant to the NMOCD Guidelines for the Remediation of Leaks, Spills and Releases. This location was then ranked a 40, due to a wash at less than 1,000 feet from location, and a suspected depth to groundwater of less than 50 feet. This set the closures standards to 100 ppm TPH, 50 ppm total BTEX and 10 ppm Benzene.

Describe Area Affected and Cleanup Action Taken *

On May 21, 2012 the soil at the bottom of the cellar was scraped 6" to remove wet soil impacted with water and incidental oil, and a below grade tank closure sample was collected at that depth. After the 6" was removed, some discolored soil was noticed in the NE corner of the BGT cellar, and a grab sample was collected from the discolored area. The BGT closure sample was analyzed for TPH via USEPA Method 418.1 and 8015, for BTEX via USEPA Method 8021, and for chlorides. The grab sample from the NE corner was analyzed for TPH via USEPA Method 8015, and for BTEX via USEPA Method 8021. Both samples returned results below the regulatory standards determined for this site. This excavation has been back filled using clean fill soil from Paul and Son, and the pit tank will be replaced and brought above grade for continued use. Approximately 10 cubic yards of impacted soil was taken to Envirotech's Landfarm #2 for disposal. No further action is required regarding this incident. All applicable analytical results and on-site sheets are attached for your reference.

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: 

Printed Name: James McDaniel, CHMM #15676

Title: EH&S Supervisor

E-mail Address: James_McDaniel@xtoenergy.com

Date: 5/24/2012

Phone: 505-333-3100

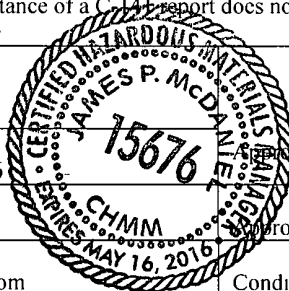
OIL CONSERVATION DIVISION

Approved by District Supervisor: 

Approval Date: 6/1/2012 Expiration Date:

Conditions of Approval

Attached ☐



NTK1215639670



James McDaniel /FAR/CTOC

05/17/2012 10 18 PM

To brandon.powell@state.nm.us

cc Kurt Hoekstra/FAR/CTOC@CTOC, Logan
Hixon/FAR/CTOC@CTOC

bcc

Subject Valdez A #1E BGT Leak

Brandon,

Please accept this email as the required notification of a BGT leak at the Valdez A #1E well site (api 30-045-24445) located in Unit G, Section 24, Township 29N, Range 11W, San Juan County, New Mexico. The leak was discovered on Tuesday, May 16th, when several inches of water and oil were noticed in the pit cellar. A vac truck was immediately dispatched, and approximately 10 bbls of water and oil were recovered from the bottom of the pit cellar. The pit cellar has a liner on the bottom, but is mainly for leak detection purposes. The BGT will be removed due to the integrity failure, and the BGT will be closed, and the pit tank brought above grade. Groundwater is estimated at less than 50 feet at this location. Once the BGT is removed, BGT closure sampling will take place. Please don't hesitate to contact me with any questions regarding this incident. Thank you very much.



James McDaniel, CHMM #15676

EH&S Supervisor

XTO Energy, Inc.

Office # 505-333-3701

Cell # 505-787-0519

James_Mcdaniel@xtoenergy.com



Report Summary

Client: XTO

Chain of Custody Number: 13988

Samples Received: 05-21-12

Job Number: 98031-0528

Sample Number(s): 62111-62113

Project Name/Location: Valdez A #1E

Entire Report Reviewed By:

A handwritten signature in black ink, appearing to be 'L. B.', written over a horizontal line.

Date:

5/23/12

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.



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Closure	Date Reported:	05-22-12
Laboratory Number:	62111	Date Sampled:	05-21-12
Chain of Custody No:	13988	Date Received:	05-21-12
Sample Matrix:	Soil	Date Extracted:	05-21-12
Preservative:	Cool	Date Analyzed:	05-22-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	12.6	0.2
Diesel Range (C10 - C28)	4.0	0.1
Total Petroleum Hydrocarbons	16.6	

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: **Valdez A #1E**



EPA METHOD 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT N.E. Corner	Date Reported:	05-22-12
Laboratory Number:	62113	Date Sampled:	05-21-12
Chain of Custody No:	13988	Date Received:	05-21-12
Sample Matrix:	Soil	Date Extracted:	05-21-12
Preservative:	Cool	Date Analyzed:	05-22-12
Condition:	Intact	Analysis Requested:	8015 TPH

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

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: **Valdez A #1E**



EPA Method 8015 Modified
Nonhalogenated Volatile Organics
Total Petroleum Hydrocarbons

Quality Assurance Report

Client:	QA/QC	Project #:	N/A
Sample ID:	0522TCA2 QA/QC	Date Reported:	05-22-12
Laboratory Number:	62091	Date Sampled:	N/A
Sample Matrix:	Methylene Chloride	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-22-12
Condition:	N/A	Analysis Requested:	TPH

	I-Cal Date:	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
Gasoline Range C5 - C10	05-22-12	9.9960E+02	1.0000E+03	0.04%	0 - 15%
Diesel Range C10 - C28	05-22-12	1.0503E+03	1.0507E+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	267	107%	75 - 125%
Diesel Range C10 - C28	ND	250	289	115%	75 - 125%

ND - Parameter not detected at the stated detection limit.

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

Comments: QA/QC for Samples 62091-62094, 62111 and 62113

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Closure	Date Reported:	05-22-12
Laboratory Number:	62111	Date Sampled:	05-21-12
Chain of Custody:	13988	Date Received:	05-21-12
Sample Matrix:	Soil	Date Analyzed:	05-22-12
Preservative:	Cool	Date Extracted:	05-21-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	21.1	10.0
Toluene	12.3	10.0
Ethylbenzene	67.2	10.0
p,m-Xylene	365	10.0
o-Xylene	91.8	10.0
Total BTEX	558	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	84.1 %
	1,4-difluorobenzene	90.3 %
	Bromochlorobenzene	95.0 %

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: Valdez A #1E

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT N.E. Corner	Date Reported:	05-22-12
Laboratory Number:	62113	Date Sampled:	05-21-12
Chain of Custody:	13988	Date Received:	05-21-12
Sample Matrix:	Soil	Date Analyzed:	05-22-12
Preservative:	Cool	Date Extracted:	05-21-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	61.2	10.0
p,m-Xylene	381	10.0
o-Xylene	45.5	10.0
Total BTEX	487	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	89.3 %
	1,4-difluorobenzene	87.5 %
	Bromochlorobenzene	96.6 %

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: Valdez A #1E

Client:	N/A	Project #:	N/A
Sample ID:	0522BCAL QA/QC	Date Reported:	05-22-12
Laboratory Number:	62111	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received:	N/A
Preservative:	N/A	Date Analyzed:	05-22-12
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	3.9794E-06	3.9787E-06	0.000	ND	0.2
Toluene	3.9039E-06	3.9039E-06	0.000	ND	0.2
Ethylbenzene	4.2973E-06	4.3925E-06	0.022	ND	0.2
p,m-Xylene	3.2329E-06	3.2329E-06	0.000	ND	0.2
o-Xylene	4.4537E-06	4.4537E-06	0.000	ND	0.2

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff	Accept Range	Detect. Limit
Benzene	21.1	21.1	0.000	0 - 30%	10
Toluene	12.3	12.6	0.024	0 - 30%	10
Ethylbenzene	67.2	66.9	0.004	0 - 30%	10
p,m-Xylene	365	366	0.002	0 - 30%	10
o-Xylene	91.8	91.4	0.004	0 - 30%	10

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	21.1	2500	2400	95.2	39 - 150
Toluene	12.3	2500	2440	97.1	46 - 148
Ethylbenzene	67.2	2500	2450	95.4	32 - 160
p,m-Xylene	365	5000	5330	99.3	46 - 148
o-Xylene	91.8	2500	2490	96.1	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 62107, 62111 and 62113



EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Metals	Date Reported:	05-23-12
Laboratory Number:	62112	Date Sampled:	05-21-12
Chain of Custody:	13988	Date Received:	05-21-12
Sample Matrix:	TCLP Extract	Date Analyzed:	05-22-12
Preservative:	Cool	Date Extracted:	05-21-12
Condition:	Intact	Analysis Needed:	TCLP Metals

Parameter	Concentration (mg/L)	Det. Limit (mg/L)	Regulatory Level (mg/L)
Arsenic	ND	0.001	5.0
Barium	0.250	0.001	100
Cadmium	ND	0.001	1.0
Chromium	0.010	0.001	5.0
Lead	0.012	0.001	5.0
Mercury	0.001	0.001	0.2
Selenium	0.019	0.001	1.0
Silver	0.016	0.001	5.0

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, December 1996.

Method 3010 Acid Digestion of Aqueous Samples and Extracts for Total Metals, SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission SW-846, USEPA. December 1996.

Note: Regulatory Limits based on 40 CFR part 261 subpart C section 261.24, August 24, 1998.

Comments: **Valdez A #1E**

**EPA METHOD 1311
TOXICITY CHARACTERISTIC
LEACHING PROCEDURE
TRACE METAL ANALYSIS
Quality Assurance Report**

Client:	N/A	Project #:	N/A
Sample ID:	05-22TCM QA/QC	Date Reported:	05-22-12
Laboratory Number:	62110	Date Sampled:	N/A
Sample Matrix:	TCLP Extract	Date Received:	N/A
Analysis Requested:	TCLP Metals	Date Analyzed:	05-22-12
Condition:	N/A	Date Extracted:	05-21-12

Blank & Duplicate Conc. (mg/L)	Instrument Blank	Method Blank	Detection Limit	Sample	Duplicate	% Difference	Acceptance Range
Arsenic	ND	ND	0.001	ND	ND	0.00%	0% - 30%
Barium	ND	ND	0.001	0.576	0.567	1.56%	0% - 30%
Cadmium	ND	ND	0.001	ND	ND	0.00%	0% - 30%
Chromium	ND	ND	0.001	0.003	0.003	0.00%	0% - 30%
Lead	ND	ND	0.001	ND	ND	0.00%	0% - 30%
Mercury	ND	ND	0.001	ND	ND	0.00%	0% - 30%
Selenium	ND	ND	0.001	0.232	0.234	1.21%	0% - 30%
Silver	ND	ND	0.001	ND	ND	0.00%	0% - 30%

Spike Conc. (mg/L)	Spike Added	Sample	Spiked Sample	Percent Recovery	Acceptance Range
Arsenic	0.250	ND	0.234	93.4%	80% - 120%
Barium	0.500	0.576	1.10	103%	80% - 120%
Cadmium	0.250	ND	0.222	88.8%	80% - 120%
Chromium	0.500	0.003	0.482	95.8%	80% - 120%
Lead	0.500	ND	0.440	88.0%	80% - 120%
Mercury	0.100	ND	0.092	92.0%	80% - 120%
Selenium	0.100	0.232	0.326	98.3%	80% - 120%
Silver	0.100	ND	0.096	95.5%	80% - 120%

ND - Parameter not detected at the stated detection limit.

References: Method 1311, Toxicity Characteristic Leaching Procedure, SW-846, USEPA, Dec. 1996

Method 3010 Acid Digestion of Aqueous Samples and Extracts for Total Metals,
SW-846, USEPA, December 1996.

Methods 6010B Analysis of Metals by Inductively Coupled Plasma-Atomic Emission,
SW-846, USEPA, December 1996.

Comments: **QA/QC for Sample 62109-62110, 62112, 62115, and 62106-62107**



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Closure	Date Reported:	05-22-12
Laboratory Number:	62111	Date Sampled:	05-21-12
Chain of Custody No:	13988	Date Received:	05-21-12
Sample Matrix:	Soil	Date Extracted:	05-22-12
Preservative:	Cool	Date Analyzed:	05-22-12
Condition:	Intact	Analysis Needed:	TPH-418.1

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	813	7.4

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: Valdez A #1E



EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS
QUALITY ASSURANCE REPORT

Client:	QA/QC	Project #:	N/A
Sample ID:	QA/QC	Date Reported:	05-22-12
Laboratory Number:	05-22-12-TPH.QA/QC 62111	Date Sampled:	N/A
Sample Matrix:	Freon-113	Date Analyzed:	05-22-12
Preservative:	N/A	Date Extracted:	05-22-12
Condition:	N/A	Analysis Needed:	TPH

Calibration	I-Cal Date	C-Cal Date	I-Cal RF:	C-Cal RF:	% Difference	Accept. Range
	04-25-12	05-22-12	1,850	1,720	7.0%	+/- 10%

Blank Conc. (mg/Kg)	Concentration	Detection Limit
TPH	ND	7.4

Duplicate Conc. (mg/Kg)	Sample	Duplicate	% Difference	Accept. Range
TPH	813	1,020	25.4%	+/- 30%

Spike Conc. (mg/Kg)	Sample	Spike Added	Spike Result	% Recovery	Accept Range
TPH	813	2,000	2,660	94.6%	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 62111-62113.

Client:	XTO	Project #:	98031-0528
Sample ID:	BGT Closure	Date Reported:	05-22-12
Lab ID#:	62111	Date Sampled:	05-21-12
Sample Matrix:	Soil	Date Received:	05-21-12
Preservative:	Cool	Date Analyzed:	05-22-12
Condition:	Intact	Chain of Custody:	13988

Parameter	Concentration (mg/Kg)
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Total Chloride**310**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Valdez A #1E**

CHAIN OF CUSTODY RECORD

13988

Client: XTO			Project Name / Location: VALDEZ A#1E			ANALYSIS / PARAMETERS																
Email results to: JAMES M^C DANIEL KURT HOEKSTRA, LOGAN HIXON			Sampler Name: Kurt			<div style="position: relative; height: 100px;"> <p style="position: absolute; top: 0; right: 0; transform: rotate(-45deg); font-size: small;">pik 5-21-12</p> </div>																
Client Phone No.:			Client No.: 98031-0528																			
Sample No./ Identification	Sample Date	Sample Time	Lab No.	No /Volume of Containers	Preservative			TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	PCRA 8 Metals	Cation / Anion	RCI	Metals TCLP with H ₂ O	CO Table 910-1	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
					HgCl ₂	HCl																
BGT Closure	5/21	12:45	62111	1 4oz JAR				X	X							X	X				X	X
BGT METALS	5/21	2:00	62112	1 4oz JAR										X								
BGT N.E. CORNER	5/21	2:35	62113	1 4oz JAR				X	X													
Relinquished by: (Signature) <i>Kurt Hoekstra</i>					Date	Time	Received by: (Signature) <i>Angela Hammer</i>										Date	Time				
Relinquished by: (Signature)							Received by: (Signature)															
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="font-size: 2em; font-family: cursive; margin-top: 10px;">RUSH</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



XTO Energy On-Site Form

Well Name VALNEZ A #1E API # 30-045-24445

Section 24G Township 29N Range 11W County SAN JUAN

Contractors On-Site KEYSTONE Time On-Site 11:35 Time Off-Site 3:00

Spill Amount 10 bbls Spilled (Oil / Produced Water Other _____)

Land Use (Grazing / Residential / Tribe FARM) Excavation 14 x 14 x 7 1/2 deep

<p>Site Diagram</p>	<p>Sample Location</p>
<p>Comments</p>	<p>Number of Photos Taken</p>

Samples

Time	Sample #	Sample Description	Characteristics	OVM (ppm)	Analysis Requested
	NA	100 Standard	NA		NA
12:45	Comp	5pt BGT CELLAR	Wet clay	57.1	8015, 8021, 418.1, Chov de
2:00		NE Corner	DARK, wet	1740	
2:35	Grab	NE Corner	Damp CLAY	507	8015, 8021

Name (Print) KURT HOOKSTRA

Date 5-21-12

Name (Signature) Kurt Hookstra

Company XTO