

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 : Devon Energy	Contact : Roger Hernandez	
Address : PO Box 250, Artesia, NM 88211	Telephone No. : 575-748-5238	
Facility Name : Lynx Federal #6	Facility Type: Oil Well	
Surface Owner	Mineral Owner:	Lease No. : LC 054687 API #30-025-29272

LOCATION OF RELEASE

Unit Letter D	Section 15	Township 17S	Range 32E	Feet from the 990'	North/South Line North	Feet from the 330'	East/West Line West	County LEA
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Latitude 32.71693 N Longitude -103.80793 W

NATURE OF RELEASE

Type of Release : Oil & Produced Water	Volume of Release : 10 bbls Oil & 35 bbls PW	Volume Recovered: 6 BO & 29 BPW
Source of Release : Flow line leak	Date and Hour of Occurrence: 10/13/11 1:30 pm	Date and Hour of Discovery: 10/13/11 1:30 pm
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD/ Geoffrey Leking BLM / Trish Badbear	
By Whom? Roger Hernandez	Date and Hour : NMOCD 10/14/11 7:35 am; BLM 10/14/11 7:40 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	



If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* A flow line was found to be leaking. The well was taken out of service, the flow line was replaced and the well was returned to service. 35 barrels of produced water and 10 barrels of oil were released. A vacuum truck was called to the location and 29 barrels of produced water and 6 barrels of oil were recovered.

Describe Area Affected and Cleanup Action Taken.*

Talon/LPE was also contacted for the correction of the release. The impacted area was excavated to a depth of 8-feet deep, analytical testing was completed and the impacted soil was transported to an approved disposal facility. A 20 mil liner was installed into the bottom of the excavated area and was backfilled to grade with new material transported from a local borrowing pit. The area was contoured to match the surrounding terrain and will be seeded with the BLM recommended seed mix for the area.

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: 		OIL CONSERVATION DIVISION	
Printed Name: Roger Hernandez		Approved by ENV. SPECIALIST: District Supervisor: 	
Title: Production Forman		Approval Date: <u>5/10/12</u>	Expiration Date: <u>—</u>
E-mail Address: roger.hernandez@dmn.com		Conditions of Approval: <u>—</u>	
Date: 5/7/2012 Phone: 575-748-5238		Attached <input type="checkbox"/> IRP-	

* Attach Additional Sheets If Necessary



May 10, 2012

HOBBS OCD

Mr. Geoffrey Leking
NMOCD District I
1625 N. French Dr.
Hobbs, NM 88240

MAY 10 2012

RECEIVED

Subject: **Remediation and Closure Report**
Devon Energy Corporation
Lynx Federal No. 6
API # 30-025-29272

Dear Mr. Leking,

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced Lynx Federal No. 6 release. The results of our soil assessment, completed remediation activities and closure request are submitted herein.

Incident Date

October 13, 2011

Background Information

The Lynx Federal No. 6 is located approximately forty-four (44) miles southeast of Artesia, New Mexico. The legal location for the site is Section 15, Township 17 South and Range 32 East in Lea County, New Mexico. More specifically, the latitude and longitude for the release are 32.83912 North and -103.76183 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Kermit soils and Dune land complex soils with 0 to 12 percent slopes. The local surface and shallow geology, Tertiary Age sedimentary deposits within the Ogallala Formation, is comprised of calcareous-sandy eolian deposits derived from sedimentary rock and hard caliches. Drainage courses in this area are normally dry. The New Mexico State Engineer's web site indicates the nearest ground water data to be in S26-T16S-R32E. The ground water in Section 26 is reported to be a depth of 280-feet below ground surface (bgs). The referenced groundwater data is presented in Appendix I.

The ranking for this site is 0 based on the as following:

Depth to ground water	>100'
Wellhead Protection Area	>1000'
Distance to surface water body	>1000'

approved
Staff Leking
Env. Specialist
NMOCD-DIST I
5/10/12

AMARILLO
921 North Bivins
Amarillo, Texas 79107
Phone 806.467.0607
Fax 806.467.0622

ARTESIA
408 West Texas Ave.
Artesia, New Mexico 88210
Phone 575.746.8768
Fax 575.746.8905

AUSTIN
911 West Anderson Lane
Suite 202
Austin, Texas 78757
Phone 512.989.3428
Fax 512.989.3487

HOBBS
318 East Taylor Street
Hobbs, New Mexico 88240
Phone 575.393.4261
Fax 575.393.4658

MIDLAND
2901 State Hwy 349
Midland, Texas 79706
Phone 432.522.2133
Fax 432.522.2180

SAN ANTONIO
11 Commercial Place
Schertz, Texas 78154
Phone 210.265.8025
Fax 210.568.2191

TULSA
525 South Main Street
Suite 535
Tulsa, Oklahoma 74103
Phone 918.742.0871
Fax 918.382.0232

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Toll Free: 866.742.0742
www.talonlpe.com

Incident Description

On October 13, 2011 a flow line located at the Lynx Federal No. 6 was found to be leaking. The well was taken out of service, the flow line was replaced and the well was returned to service. Approximately thirty-five (35) barrels of produced water and ten (10) barrels of oil were released. A vacuum truck was called to the location and twenty-nine (29) barrels of produced water and six (6) barrels of oil were recovered. The area affected by this release was a pooling area along the flow line approximately 40-feet long by 80-feet wide. The surrounding area was also impacted by overspray approximately 150-feet long by 150-feet wide.

Remedial Actions

On April 2, 2012 Talon personnel mobilized to the site to begin excavation of the impacted area. The impacted soil within the area of the release was removed to an average depth of 8-feet deep and transported to a NMOCD approved solid waste disposal facility, CRI pursuant to the work plan. The excavated area was left open until approval from NMOCD was obtained to install the 20 mil liner.

On April 11, 2012 Talon personnel mobilized to the site to begin closure soil sampling activities on the sidewalls of the excavation per NMOCD requirements. Grab soil samples were collected and submitted for laboratory analysis. At that time Talon also excavated a test trench to a depth of 18-feet deep and obtained vertical delineation samples to be tested for TPH as requested by NMOCD.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

April 12, 2012

<u>Sample</u>	<u>Depth</u>	<u>BTEX</u>	<u>TPH</u>
S-1	15'	43.821	1817 mg/kg
	18'	24.053	2044

April 20, 2012

<u>Sample</u>		<u>BTEX</u>	<u>TPH</u>
S-2,	South sidewall	<0.150	<10
	West sidewall	<0.150	<10
	North sidewall	<0.150	<10
	East sidewall	<0.150	<10

For this site's ranking, New Mexico Oil Conservation District action level criterion for BTEX is 50 mg/kg, Benzene is 10 mg/kg and TPH is 5,000 mg/kg.

Summary and Conclusions

- Ground water in the project vicinity is 280-feet below land surface per the New Mexico State Engineer Database.
- The impacted soil from this release was excavated to a depth of 8-feet deep. The excavated soil was transported to a NMOCD approved solid waste disposal facility.
- On April 30, 2012 the BLM granted approval for backfilling to 4-feet below ground surface and then installing the 20 mil liner into the bottom of the excavated area. The excavated area was subsequently backfilled to grade using new material transported from a local borrow pit.
- Based on the depth to groundwater and the remedial actions implemented, it is unlikely that the impacts identified from this release will pose a threat to groundwater.

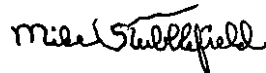
Closure

Therefore, on behalf of Devon Energy Corporation, we respectfully request that no further actions be required and that closure with respect to this release be granted.

If we can provide additional information or be of further assistance please contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE



Mike Stubblefield
Project Manager



David J. Adkins
District Manager

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APPENDIX I
GROUNDWATER DATA



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD		Q Q Q						X	Y	Distance	Depth	Depth	Water	
	Code	Subbasin	County	64	16	4	Sec	Tws				Rng	Well	Water	Column
<u>RA 08855</u>			LE	4	1	1	10	17S	32E	616061	3635742*	1420	158		
<u>RA 09505</u>			LE	2	2	1	10	17S	32E	616462	3635944	1713	147		
<u>RA 09505 S</u>			LE	2	2	1	10	17S	32E	616463	3635945*	1713	144		
<u>RA 11734 POD1</u>			LE	2	2	1	10	17S	32E	616556	3635929	1733	165		
<u>RA 11684 POD1</u>			LE	1	1	4	11	17S	32E	618216	3635124	2465	275		
<u>RA 11684 POD5</u>			LE	3	1	4	11	17S	32E	618353	3635047	2573	275		
<u>RA 11684 POD3</u>			LE	3	3	1	11	17S	32E	618262	3635371	2597	275		
<u>RA 11684 POD2</u>			LE	1	1	4	11	17S	32E	618313	3635248	2598	275		
<u>RA 11684 POD4</u>			LE	1	3	2	11	17S	32E	618334	3635521	2725	275		
<u>RA 10175</u>			LE		2	1	28	17S	32E	614814	3631005*	3494	158		
<u>L 02752</u>	L		LE	1	3	26	16S	32E	617521	3639880*	5784	324	280	44	

Average Depth to Water: 280 feet

Minimum Depth: 280 feet

Maximum Depth: 280 feet

Record Count: 11

UTMNAD83 Radius Search (in meters):

Easting (X): 615881

Northing (Y): 3634333

Radius: 6000

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

APPENDIX II
LABORATORY RESULTS



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 20, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LYNX FEDERAL NO. 6

Enclosed are the results of analyses for samples received by the laboratory on 04/12/12 12:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/12/2012
Reported: 04/20/2012
Project Name: LYNX FEDERAL NO. 6
Project Number: 700794.019.01
Project Location: SEC.15-T17S-R32E

Sampling Date: 04/12/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 SOUTH WALL (H200848-01)**BTEX 8021B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2012	ND	2.08	104	2.00	1.18	
Toluene*	<0.050	0.050	04/19/2012	ND	2.19	109	2.00	0.904	
Ethylbenzene*	<0.050	0.050	04/19/2012	ND	2.24	112	2.00	1.61	
Total Xylenes*	<0.150	0.150	04/19/2012	ND	6.96	116	6.00	2.14	

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 64.4-134

TPH 8015M**mg/kg****Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2012	ND	195	97.6	200	2.32	
DRO >C10-C28	<10.0	10.0	04/16/2012	ND	212	106	200	5.88	

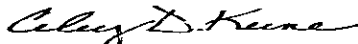
Surrogate: 1-Chlorooctane 97.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 97.0 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 04/12/2012
 Reported: 04/20/2012
 Project Name: LYNX FEDERAL NO. 6
 Project Number: 700794.019.01
 Project Location: SEC.15-T17S-R32E

 Sampling Date: 04/12/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-3 WEST WALL (H200848-02)

BTEX 8021B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2012	ND	2.08	104	2.00	1.18		
Toluene*	<0.050	0.050	04/19/2012	ND	2.19	109	2.00	0.904		
Ethylbenzene*	<0.050	0.050	04/19/2012	ND	2.24	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	04/19/2012	ND	6.96	116	6.00	2.14		

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2012	ND	195	97.6	200	2.32	
DRO >C10-C28	<10.0	10.0	04/16/2012	ND	212	106	200	5.88	

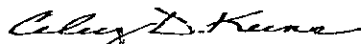
Surrogate: 1-Chlorooctane 78.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 77.2 % 57.6-158

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/12/2012
Reported: 04/20/2012
Project Name: LYNX FEDERAL NO. 6
Project Number: 700794.019.01
Project Location: SEC.15-T17S-R32E

Sampling Date: 04/12/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-4 NORTH WALL (H200848-03)**BTEX 8021B****mg/kg****Analyzed By: AP**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2012	ND	2.08	104	2.00	1.18	
Toluene*	<0.050	0.050	04/19/2012	ND	2.19	109	2.00	0.904	
Ethylbenzene*	<0.050	0.050	04/19/2012	ND	2.24	112	2.00	1.61	
Total Xylenes*	<0.150	0.150	04/19/2012	ND	6.96	116	6.00	2.14	

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 64.4-134

TPH 8015M**mg/kg****Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2012	ND	195	97.6	200	2.32	
DRO >C10-C28	<10.0	10.0	04/16/2012	ND	212	106	200	5.88	

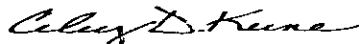
Surrogate: 1-Chlorooctane 94.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 94.4 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received:	04/12/2012	Sampling Date:	04/12/2012
Reported:	04/20/2012	Sampling Type:	Soil
Project Name:	LYNX FEDERAL NO. 6	Sampling Condition:	Cool & Intact
Project Number:	700794.019.01	Sample Received By:	Jodi Henson
Project Location:	SEC.15-T175-R32E		

Sample ID: S-5 EAST WALL (H200848-04)

BTEX 8021B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2012	ND	2.08	104	2.00	1.18		
Toluene*	<0.050	0.050	04/19/2012	ND	2.19	109	2.00	0.904		
Ethylbenzene*	<0.050	0.050	04/19/2012	ND	2.24	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	04/19/2012	ND	6.96	116	6.00	2.14		

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 64.4-134

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/16/2012	ND	181	90.3	200	0.947		
DRO >C10-C28	<10.0	10.0	04/16/2012	ND	190	95.0	200	4.09		

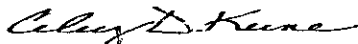
Surrogate: 1-Chlorooctane 74.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 74.4 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

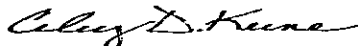
Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

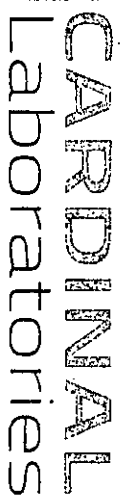
Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

[illegible]



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 12, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LYNX FEDERAL NO. 6

Enclosed are the results of analyses for samples received by the laboratory on 04/09/12 16:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 04/09/2012
 Reported: 04/12/2012
 Project Name: LYNX FEDERAL NO. 6
 Project Number: 700794.019.01
 Project Location: SEC.15-T17S-R32E

 Sampling Date: 04/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-1 15' BGS (H200805-01)

BTEX 8021B

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.401	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	9.02	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	13.5	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	20.9	0.150	04/12/2012	ND	7.11	118	6.00	5.72	

Surrogate: 4-Bromofluorobenzene (PII) 113 % 64.4-134

TPH 8015M

mg/kg

Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	317	10.0	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	1500	10.0	04/12/2012	ND	234	117	200	15.1	

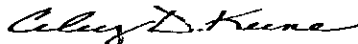
Surrogate: 1-Chlorooctane 144 % 55.5-154

Surrogate: 1-Chlorooctadecane 157 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:	04/09/2012	Sampling Date:	04/06/2012
Reported:	04/12/2012	Sampling Type:	Soil
Project Name:	LYNX FEDERAL NO. 6	Sampling Condition:	Cool & Intact
Project Number:	700794.019.01	Sample Received By:	Jodi Henson
Project Location:	SEC.15-T17S-R32E		

Sample ID: S-1 18' BGS (H200805-02)

BTEX 8021B	mg/kg	Analyzed By: AP						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.283	0.050	04/12/2012	ND	2.13	107	2.00	4.72	
Toluene*	5.00	0.050	04/12/2012	ND	2.26	113	2.00	5.27	
Ethylbenzene*	7.27	0.050	04/12/2012	ND	2.27	114	2.00	5.63	
Total Xylenes*	11.5	0.150	04/12/2012	ND	7.11	118	6.00	5.72	

Surrogate: 4-Bromofluorobenzene (PIL) 163 % 64.4-134

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	344	10.0	04/12/2012	ND	207	103	200	4.03	
DRO >C10-C28	1700	10.0	04/12/2012	ND	234	117	200	15.1	

Surrogate: 1-Chlorooctane 137 % 55.5-154

Surrogate: 1-Chlorooctadecane 144 % 57.6-158

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

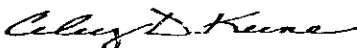
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

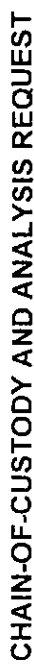
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Celey D. Keene, Lab Director/Quality Manager

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Relinquished By: M. S. Swadlow

Relinquished By: Paul Meyer

Delivered By: (Circle One) Other

Date: 4/1/2012

Time: 3:24 Pm

Received By: Paul Meyer

Received By: Paul Meyer

Sample Condition: Cool ☒ Intact ☒ (Initials) PM

Phone Result: ☐ Yes ☐ No

Fax Result: ☐ Yes ☐ No

ADD'l Phone #: _____

ADD'l Fax #: _____

REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2416 ^{4/26}

FINAL C-141

Leking, Geoffrey R, EMNRD

From: Michael Stubblefield [mstubblefield@talonlpe.com]
Sent: Friday, April 20, 2012 3:53 PM
To: Leking, Geoffrey R, EMNRD
Cc: tbadbear@blm.gov; Hernandez, Roger; Lewis, Merle
Subject: FW: LYNX FEDERAL NO 6
Attachments: H200848 TALON.pdf; LYNX FED NO 6 RELEASE; DSC03286.JPG

Dear Mr. Leaking,

Talon/LPE is sending you the analytical results for the soil samples collected at the Lynx Federal No.6 release. Please also find attached the analytical results for the additional delineation for TPH as required by the NMOCD approval for the Lynx Federal No.6 release work plan. Based upon the analytical results dated 4/20/2012, Devon Energy Corporation is requesting approval to backfill the excavation from eight-feet below ground surface (bgs) to four-feet (bgs) using new soil transported to location, place a 20 Mil. liner into the bottom of the backfill area, backfill the excavation to surface using like material transported to the location. If further information is required please contact me.

Mike Stubblefield
Project Manager
Talon/LPE
408 West Texas Avenue
Artesia, New Mexico 88210
(575) 746.8768 phone
(575) 746.8905 fax
(575) 441.7254 cell
www.talonlpe.com

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APR 20 2012

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HOBBS OCD

APR 20 2012

RECEIVED



Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist
Staples Foundation for Learning Hall of Fame Recipient: 2010
ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006
Inc. 500/5000: 2011, 2010, 2009, 2008, 2007

From: Celey Keene [<mailto:celey.keene@cardinallabsnm.com>]
Sent: Friday, April 20, 2012 12:37 PM
To: Michael Stubblefield; David Adkins; Kimberly M. Wilson
Subject: LYNX FEDERAL NO 6

THANK YOU,

Celey Keene
Lab Director
Cardinal Laboratories
101 East Marland
Hobbs, NM 88240
T: (575) 393-2326
F: (575) 393-2476
e-mail: celey.keene@cardinallabsnm.com

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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 12, 2012

HOBBS OCD

MIKE STUBBLEFIELD

APR 20 2012

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RECEIVED

HOBBS OCD

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RECEIVED

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TALON LPE
 MIKE STUBBLEFIELD
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

Received: 04/09/2012
 Reported: 04/12/2012
 Project Name: LYNX FEDERAL NO. 6
 Project Number: 700794.019.01
 Project Location: SEC.15-T17S-R32E

Sampling Date: 04/06/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-1 15' BGS (H200805-01)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
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Total Xylenes*	20.9	0.150	04/12/2012	ND	7.11	118	6.00	5.72	

Surrogate: 4-Bromofluorobenzene (PH) 113 % 64.4-134

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	317	10.0	04/12/2012	ND	207	103	200	4.03	
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* = Accredited Analyte

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MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/09/2012
Reported: 04/12/2012
Project Name: LYNX FEDERAL NO. 6
Project Number: 700794.019.01
Project Location: SEC.15-T17S-R32E

Sampling Date: 04/06/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-1 18' BGS (H200805-02)

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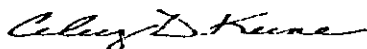
Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500C-B does not require samples be received at or below 6°C
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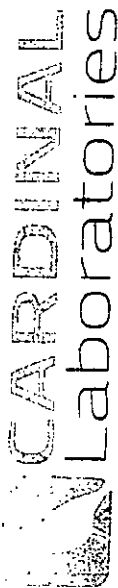
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Talon/LPE Project Manager: Mike Stubblefield Address: 408 West Texas Ave City: Artesia State: NM Zip: 88210 Phone #: 575-991-2254 Fax #: Project #: 700294.019.01 Project Owner: Devon Ferry Corp Project Name: Lynx Fed No. 6 release Project Location: sec 15 T12S-R32E Sampler Name: mae stubblefield		BILL TO P.O. #: Company: Talon/LPE Attn: Address: City: State: Zip: Phone #: Fax #:		ANALYSIS REQUEST																	
Lab I.D. H2CO849		Sample I.D. -1 S-1 15-555 -2 S-1 18-555		MATRIX GROUNDWATER WASTEWATER SOIL SLUDGE OTHER:		PRESERV ACID/BASE ICE/COOL OTHER:		SAMPLING DATE TIME		80157 TPH 80218 BTEX											

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Relinquished By: mae stubblefield Relinquished By: mae stubblefield Delivered By: (Circle One) Sampler - UPS - Bus - Other	Received By: Paul Meyer Received By: Paul Meyer Time: 3:24 PM Date: 4/1/2012	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #: REMARKS:
--	---	---

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

HOBBS OCD

APR 20 2012

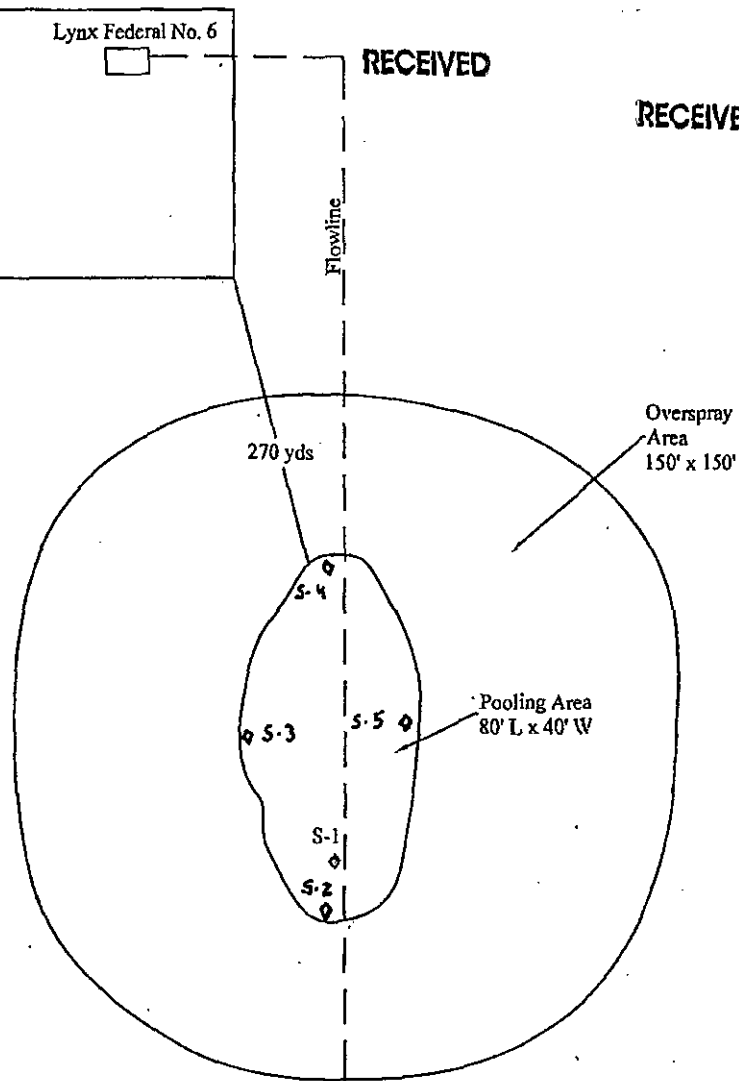
HOBBS OCD

Lynx Federal No. 6

RECEIVED

RECEIVED

County Road 126



0 20 40
Scale in Feet

Legend

◆ - Sample Location



Date: 01/10/2012

Scale: 1" = 40'

Drawn By: TJS

Lynx Federal No. 6
Devon Energy Corp.
Maljamar, New Mexico
Figure 1 - Site Plan



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

April 20, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

HOBBS OCD

HOBBS OCD

APR 20 2012

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Sincerely,

A handwritten signature in black ink, reading "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager

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Reported: 04/20/2012
Project Name: LYNX FEDERAL NO. 6
Project Number: 700794.019.01
Project Location: SEC.15-T17S-R32E

Sampling Date: 04/12/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-2 SOUTH WALL (H200848-01)

BTEX 8021B		mg/kg	Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/19/2012	ND	2.08	104	2.00	1.18		
Toluene*	<0.050	0.050	04/19/2012	ND	2.19	109	2.00	0.904		
Ethylbenzene*	<0.050	0.050	04/19/2012	ND	2.24	112	2.00	1.61		
Total Xylenes*	<0.150	0.150	04/19/2012	ND	6.96	116	6.00	2.14		

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 64.4-134

TPH 8015M		mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	04/16/2012	ND	195	97.6	200	2.32		
DRO >C10-C28	<10.0	10.0	04/16/2012	ND	212	106	200	5.88		

Surrogate: 1-Chlorooctane 97.1 % 55.5-154

Surrogate: 1-Chlorooctadecane 97.0 % 57.6-158

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* = Accredited Analyte

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 MIKE STUBBLEFIELD
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 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 04/12/2012
 Reported: 04/20/2012
 Project Name: LYNX FEDERAL NO. 6
 Project Number: 700794.019.01
 Project Location: SEC.15-T17S-R32E

 Sampling Date: 04/12/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S-3 WEST WALL (H200848-02)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2012	ND	2.08	104	2.00	1.18	
Toluene*	<0.050	0.050	04/19/2012	ND	2.19	109	2.00	0.904	
Ethylbenzene*	<0.050	0.050	04/19/2012	ND	2.24	112	2.00	1.61	
Total Xylenes*	<0.150	0.150	04/19/2012	ND	6.96	116	6.00	2.14	

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2012	ND	195	97.6	200	2.32	
DRO >C10-C28	<10.0	10.0	04/16/2012	ND	212	106	200	5.88	

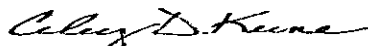
Surrogate: 1-Chlorooctane 78.8 % 55.5-154

Surrogate: 1-Chlorooctadecane 77.2 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/12/2012
Reported: 04/20/2012
Project Name: LYNX FEDERAL NO. 6
Project Number: 700794.019.01
Project Location: SEC.15-T17S-R32E

Sampling Date: 04/12/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-4 NORTH WALL (H200848-03)

BTEX 8021B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2012	ND	2.08	104	2.00	1.18	
Toluene*	<0.050	0.050	04/19/2012	ND	2.19	109	2.00	0.904	
Ethylbenzene*	<0.050	0.050	04/19/2012	ND	2.24	112	2.00	1.61	
Total Xylenes*	<0.150	0.150	04/19/2012	ND	6.96	116	6.00	2.14	

Surrogate: 4-Bromofluorobenzene (PHL) 103 % 64.4-134

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2012	ND	195	97.6	200	2.32	
DRO >C10-C28	<10.0	10.0	04/16/2012	ND	212	106	200	5.88	


Surrogate: 1-Chlorooctane 94.5 % 55.5-154

Surrogate: 1-Chlorooctadecane 94.4 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
MIKE STUBBLEFIELD
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 04/12/2012
Reported: 04/20/2012
Project Name: LYNX FEDERAL NO. 6
Project Number: 700794.019.01
Project Location: SEC.15-T17S-R32E

Sampling Date: 04/12/2012
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: S-5 EAST WALL (H200848-04)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2012	ND	2.08	104	2.00	1.18	
Toluene*	<0.050	0.050	04/19/2012	ND	2.19	109	2.00	0.904	
Ethylbenzene*	<0.050	0.050	04/19/2012	ND	2.24	112	2.00	1.61	
Total Xylenes*	<0.150	0.150	04/19/2012	ND	6.96	116	6.00	2.14	

Surrogate: 4-Bromofluorobenzene (PIL) 106 % 64.4-134

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	04/16/2012	ND	181	90.3	200	0.947	
DRO >C10-C28	<10.0	10.0	04/16/2012	ND	190	95.0	200	4.09	

Surrogate: 1-Chlorooctane 74.4 % 55.5-154

Surrogate: 1-Chlorooctadecane 74.4 % 57.6-158

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

[illegible]

Relinquished By: <u>Mr. S. J. [Signature]</u>		Date: <u>4/12/2013</u>		Received By: <u>[Signature]</u>		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: <u>12:34 PM</u>		Received By:		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #:	
Relinquished By:		Date:		Date:		REMARKS:			
Relinquished By:		Time:		Time:		REMARKS:			

Delivered By: (Circle One)		Sample Condition		CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool, Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		(Initials) <u>[Signature]</u>	

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