



March 17, 2014

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Soil Assessment and Remediation Work Plan**
Devon Energy
Cotton Draw Unit No. 114
API # 30-015-37410
2RP-962 & 2RP-2076
AMENDED

Dear Mr. Bratcher,

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services for the Cotton Draw Unit No. 114 release. The results of our soil assessment and proposed remediation activities consist of the following:

Incident Date

November 11, 2011 & November 16, 2013

Background Information

The Cotton Draw Unit No. 114 is located approximately forty-eight (48) miles southeast of Carlsbad, New Mexico. The legal location for the site is Section 34, Township 24 South and Range 31 East in Eddy County, New Mexico. More specifically, the Latitude and Longitude for the release are 32.1801170 North and -103.763554 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 Berino complex with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Quaternary in age and is comprised of eolian sands and piedmont deposits which include silty soils underlain with sandy clay loam and hard caliche. Drainage courses in this area are normally dry. According to the Texaco/Chevron Eddy County Water Trend Data Map (2005), the depth to groundwater is approximately 450-feet deep.

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'

ENVIRONMENTAL CONSULTING
ENGINEERING
DRILLING
CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

Incident Description

A gasket ruptured on the fire tube of the heater treater causing a release of 60 barrels oil. Vacuum trucks were immediately called to the location to pick up the standing oil and they recovered 50 barrels of oil. The heater treater was repaired. The area effected from this release was under the separators, heater treaters and pipelines, as shown on the attached site plan.

Actions Taken

On January 27, 2014 Talon mobilized personnel to begin the site assessment and soil sampling for the construction of a work plan. Grab soil samples were collected utilizing a hand auger to a depth of 3-feet deep below ground surface around the separators and heater treaters. Soil sample locations are illustrated on the attached site plan.

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. The chloride samples were analyzed per method SM4500Cl-B. The complete laboratory report is attached.

Analytical Results

Analytical results received from Cardinal Laboratories are summarized below:

January 21, 2014

<u>Sample</u>	<u>Depth</u>	<u>BTEX</u>	<u>TPH</u>	<u>Chlorides (mg/kg)</u>
BG	0'	<0.300	<10	<16
	1'	<0.300	<10	<16
S-1	0'	101	3607	368
	1'	<0.300	29.2	160
	2'	<0.300	36.2	160
	3'	<0.300	<10	544
S-2	0'	308	12250	688
	1'	<0.300	<10	112
	2'	<0.300	<10	48
	3'	<0.300	<10	32
S-3	0'	<0.300	35.8	3880
	1'	<0.300	<10	2160
	2'	<0.300	<10	688
	3'	<0.300	<10	176

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 5000 mg/kg.

Summary and Conclusions

- Ground water in the project vicinity is approximately 450-feet below land surface.
- Based on the depth to groundwater, it is unlikely that the impacts identified from this release will pose a threat to groundwater after proposed remediation activities are complete.

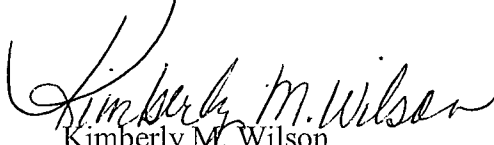
Proposed Remedial Actions

- The impacted areas in the vicinity of sample location S-1 and S-2, under the separators, heater treaters, will be hand-excavated to the best extent as reasonable, feasible and as safely as possible. The area will then be treated with either high nitrogen fertilizer or mircoblaze as bioremediation agents. Confirmation samples will be collected after 60 to 90 days to verify effectiveness of treatment.
- The historical release will be treated with mircoblaze, a bioremediation agent and sampled after 60-90 days.
- The impacted area in the vicinity of sample location S-3 will be excavated to a depth of 1.5-feet deep.
- The impacted soil will be transported to a NMOCD approved facility.
- The excavated area at S-3 will be backfilled using new material from a local borrow pit.
- Depending on laboratory results a second application may be applied and confirmation samples will be collected again after 60 to 90 days to verify effectiveness of treatment.
- A final closure report documenting all remedial actions and analytical results will be provided to the NMOCD Artesia Office and the BLM along with a Final C-141 Form.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575.746.8768.

Respectfully submitted,

TALON/LPE


Kimberly M. Wilson
Project Manager


David J. Adkins
District Manager

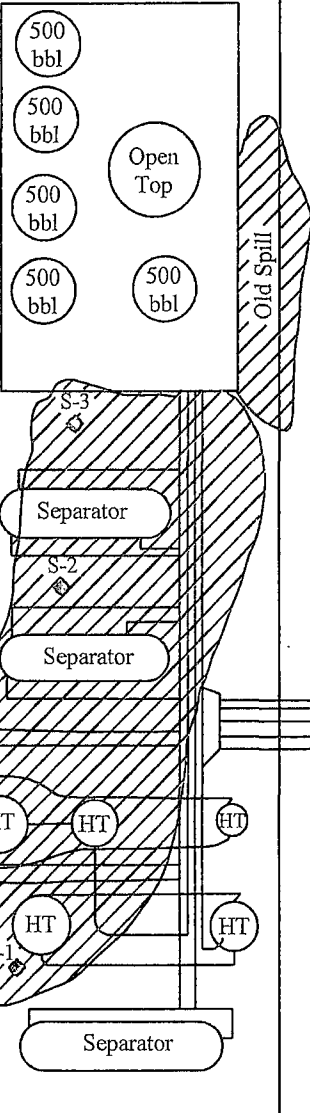
SITE MAP

Lease Road

Pump Jack

Power
Box

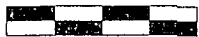
Power
Pole



BG



NTS



Scale in Feet

Legend

- ◇ - Sample Location
- ▨ - New Spill Area
- ▨ - Old Spill Area



Date: 02/04/2014

Scale: NTS

Drawn By: TJS

Cotton Draw 114
Devon Energy Corporation
Eddy County, New Mexico
Figure 1 - Site Plan

APPENDIX I
GROUNDWATER DATA
INITIAL C-141



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 Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 02574		ED		1	1	2	02	25S	31E	618092	3559494*	1994			
C 02571		ED		4	1	2	02	25S	31E	618292	3559294*	2275	860		
C 02572		ED		4	2	2	02	25S	31E	618695	3559294*	2546	852		
C 02573		ED		1	4	2	02	25S	31E	618499	3559091*	2563			
C 02569		ED		4	4	2	02	25S	31E	618699	3558891*	2845	1016		
C 02568		ED		4	3	1	01	25S	31E	619103	3558892*	3119	1025		
C 02570		ED		4	2	4	02	25S	31E	618704	3558489*	3166	895		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 7

UTMNAD83 Radius Search (in meters):

Easting (X): 616872

Northing (Y): 3561072

Radius: 5000

*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.

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 March 17, 1999

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

30-015-37410

Release Notification and Corrective Action

NMLB/133639798

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy	6137	Contact <input type="checkbox"/> Roger Hernandez
Address P. O. Box 250		Telephone No. <input type="checkbox"/> 575-748-5238
Artesia, NM 88211		
Facility Name Cotton Draw Unit #114		Facility Type <input type="checkbox"/> Oil Well

Surface Owner	Mineral Owner	Lease No. <input type="checkbox"/>
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LOCATION OF RELEASE

Unit Letter	Section 34	Township 24S	Range 31E	Feet from the 330	North/South Line North	Feet from the 1980	East/West Line East	County Eddy
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NATURE OF RELEASE

Type of Release Oil	Volume of Release 40 BO	Volume Recovered <input type="checkbox"/> 30 BO
Source of Release Separator	Date and Hour of Occurrence 11-11-11 9 00 AM	Date and Hour of Discovery <input type="checkbox"/> 11-11-11 9 00 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? BLM (Jim Amos - Carlsbad) OCD (Mike Bratcher - Artesia)	
By Whom? <input type="checkbox"/> Roger Hernandez	Date and Hour <input type="checkbox"/> BLM - 11/11/11 11 40 AM <input type="checkbox"/> OCD - 11/11/11 11 50 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 *

N/A

Describe Cause of Problem and Remedial Action Taken *

Separator malfunctioned - mechanical device broke resulting in high level equipment sending fluid out gas lines resulting in malfunction over gas outlet control device Vented gas and liquid to open top tank resulting in spill Filled tanks with fluid/overspray

Describe Area Affected and Cleanup Action Taken *

Area impacted was 40'x60', called vacuum truck to pickup fluid

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.

OIL CONSERVATION DIVISION

Signature Adrienne Verkler	Approved by <u>[Signature]</u>
Printed Name Adrienne Verkler	Signed by <u>[Signature]</u>
Title Field Tech II	Approval Date DEC 02 2011 Expiration Date
Date November 14, 2011 Phone (575) 748-0174	Conditions of Approval Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

Remediation per OCD Rules &
Guidelines. **SUBMIT REMEDIATION
PROPOSAL NOT LATER THAN:**
11/2/2012

2RP-962

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 August 8, 2011

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

JMW/1333029835
Name of Company **Devon Energy Prod. 6137** OPERATOR ☒ Initial Report ☐ Final Report
Address **PO Box 250 Artesia, NM 88211** Contact **Tracy Kidd**
Facility Name **Cotton Draw Unit 114** Telephone No. **575.513.0628**
Facility Type **Oil Well**

Surface Owner **Federal** Mineral Owner API No. **3001537410**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
B	34	24S	31E	330	North	1980	East	Eddy

Latitude: 32.180117040773 Longitude: 103.763554613439

NATURE OF RELEASE

Type of Release Spill Oil	Volume of Release 60bbbs	Volume Recovered 50bbbs
Source of Release mechanical failure blown gasket on a heater treater	Date and Hour of Occurrence 11/16/2013	Date and Hour of Discovery 11/16/2013, 9:49PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Tracy Kidd- Production Foreman	
By Whom? Chris McCullough	Date and Hour 11/16/2013	
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.* Gasket rupture on fire tube in heater treater caused oil spray. RW Trucking recovered 50bbbs of oil and soil samples will be taken. Gasket was replaced on heater treater.		
Describe Area Affected and Cleanup Action Taken.* Oil spill remained on location. RW Trucking recovered 50bbbs and soil sampling will be done.		

RECEIVED

NOV 20 2013
NMOCB

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.

OIL CONSERVATION DIVISION

Signature: Sandra Farley	Approved by Environmental Specialist Signed By Mike Brannon	
Printed Name: Sandra Farley	Approval Date: NOV 26 2013	Expiration Date:
Title: Field Admin Support	Conditions of Approval: Remediation per OCD Rule & Guidelines, & like approval by BLM. SUBMIT REMEDIATION PROPOSAL NO LATER THAN: December 26, 2013	
E-mail Address: Sandra.Farley@dmn.com	Attached <input type="checkbox"/>	
Date: 11/19/2013	Phone: 575.746.5587	

* Attach Additional Sheets If Necessary

ZRP-2076

APPENDIX II
LABORATORY RESULTS



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

February 04, 2014

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: COTTON DRAW UNIT #114

Enclosed are the results of analyses for samples received by the laboratory on 01/29/14 10:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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
 DAVID ADKINS
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 01/29/2014
 Reported: 02/04/2014
 Project Name: COTTON DRAW UNIT #114
 Project Number: 700794.092.01
 Project Location: B-34-24-31

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: BG 0' (H400279-01)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	

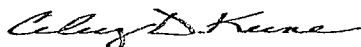
Surrogate: 1-Chlorooctane 85.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 84.6 % 63.6-154

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/29/2014
Reported: 02/04/2014
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.092.01
Project Location: B-34-24-31

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: BG 1' (H400279-02)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	02/03/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/03/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	02/03/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	02/03/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	

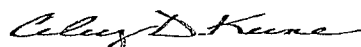
Surrogate: 1-Chlorooctane 91.3 % 65.2-140

Surrogate: 1-Chlorooctadecane 101 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Received: 01/29/2014
 Reported: 02/04/2014
 Project Name: COTTON DRAW UNIT #114
 Project Number: 700794.092.01
 Project Location: B-34-24-31

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-1 0' (H400279-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.98	1.00	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	26.9	1.00	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	12.8	1.00	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	59.2	3.00	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	101	6.00	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	02/03/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	907	10.0	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	2700	10.0	01/30/2014	ND	199	99.4	200	2.43	

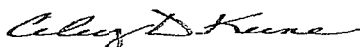
Surrogate: 1-Chlorooctane 133 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

Cardinal Laboratories

*—Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

 Received: 01/29/2014
 Reported: 02/04/2014
 Project Name: COTTON DRAW UNIT #114
 Project Number: 700794.092.01
 Project Location: B-34-24-31

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-1 1' (H400279-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	29.2	10.0	01/30/2014	ND	199	99.4	200	2.43	

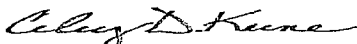
Surrogate: 1-Chlorooctane 87.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 91.8 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/29/2014
 Reported: 02/04/2014
 Project Name: COTTON DRAW UNIT #114
 Project Number: 700794.092.01
 Project Location: B-34-24-31

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-1 2' (H400279-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	36.2	10.0	01/30/2014	ND	199	99.4	200	2.43	

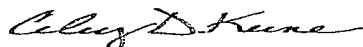
Surrogate: 1-Chlorooctane 87.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.7 % 63.6-154

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Analytical Results For:

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

 Received: 01/29/2014
 Reported: 02/04/2014
 Project Name: COTTON DRAW UNIT #114
 Project Number: 700794.092.01
 Project Location: B-34-24-31

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-1 3' (H400279-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/03/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	02/03/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	02/03/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	02/03/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	02/03/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	199	99.4	200	2.43	

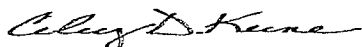
Surrogate: 1-Chlorooctane 81.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/29/2014
Reported: 02/04/2014
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.092.01
Project Location: B-34-24-31

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 0' (H400279-07)

BTX 8021B		mg/kg	Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	3.34	2.00	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	67.3	2.00	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	36.7	2.00	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	201	6.00	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTX	308	12.0	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 153 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/03/2014	ND	416	104	400	0.00	
TPH 8015M		mg/kg	Analyzed By: ms				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	3510	10.0	01/30/2014	ND	200	99.9	200	2.61	
DRO >C10-C28	8740	10.0	01/30/2014	ND	199	99.4	200	2.43	

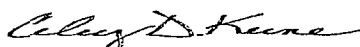
Surrogate: 1-Chlorooctane 163 % 65.2-140

Surrogate: 1-Chlorooctadecane 201 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/29/2014
Reported: 02/04/2014
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.092.01
Project Location: B-34-24-31

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-2 1' (H400279-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	218	109	200	10.7	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	225	112	200	14.2	

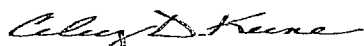
Surrogate: 1-Chlorooctane 80.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 01/29/2014
 Reported: 02/04/2014
 Project Name: COTTON DRAW UNIT #114
 Project Number: 700794.092.01
 Project Location: B-34-24-31

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-2 2' (H400279-09)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	218	109	200	10.7	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	225	112	200	14.2	

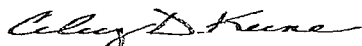
Surrogate: 1-Chlorooctane 79.5 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.4 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	01/29/2014	Sampling Date:	01/27/2014
Reported:	02/04/2014	Sampling Type:	Soil
Project Name:	COTTON DRAW UNIT #114	Sampling Condition:	Cool & Intact
Project Number:	700794.092.01	Sample Received By:	Kathy Perez
Project Location:	B-34-24-31		

Sample ID: S-2 3' (H400279-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	218	109	200	10.7	
DRO >C10-C28	<10.0	10.0	01/30/2014	ND	225	112	200	14.2	


Surrogate: 1-Chlorooctane 90.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 92.8 % 63.6-154

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Analytical Results For:

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

 Received: 01/29/2014
 Reported: 02/04/2014
 Project Name: COTTON DRAW UNIT #114
 Project Number: 700794.092.01
 Project Location: B-34-24-31

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-3 0' (H400279-11)

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3880	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/30/2014	ND	218	109	200	10.7	
DRO >C10-C28	35.8	10.0	01/30/2014	ND	225	112	200	14.2	

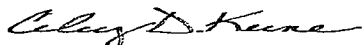
Surrogate: 1-Chlorooctane 78.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.5 % 63.6-154

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Analytical Results For:

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

 Received: 01/29/2014
 Reported: 02/04/2014
 Project Name: COTTON DRAW UNIT #114
 Project Number: 700794.092.01
 Project Location: B-34-24-31

 Sampling Date: 01/27/2014
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Kathy Perez

Sample ID: S-3 1' (H400279-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/31/2014	ND	218	109	200	10.7	
DRO >C10-C28	<10.0	10.0	01/31/2014	ND	225	112	200	14.2	

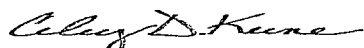
Surrogate: 1-Chlorooctane 81.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.8 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/29/2014
Reported: 02/04/2014
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.092.01
Project Location: B-34-24-31

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 2' (H400279-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/31/2014	ND	218	109	200	10.7	
DRO >C10-C28	<10.0	10.0	01/31/2014	ND	225	112	200	14.2	

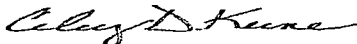
Surrogate: 1-Chlorooctane 85.7 % 65.2-140

Surrogate: 1-Chlorooctadecane 89.9 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 01/29/2014
Reported: 02/04/2014
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.092.01
Project Location: B-34-24-31

Sampling Date: 01/27/2014
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: S-3 3' (H400279-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2014	ND	2.28	114	2.00	1.96	
Toluene*	<0.050	0.050	01/31/2014	ND	2.24	112	2.00	1.60	
Ethylbenzene*	<0.050	0.050	01/31/2014	ND	2.22	111	2.00	1.54	
Total Xylenes*	<0.150	0.150	01/31/2014	ND	6.54	109	6.00	0.808	
Total BTEX	<0.300	0.300	01/31/2014	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 89.4-126

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/03/2014	ND	416	104	400	0.00	

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	01/31/2014	ND	218	109	200	10.7	
DRO >C10-C28	<10.0	10.0	01/31/2014	ND	225	112	200	14.2	

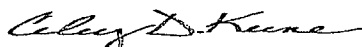
Surrogate: 1-Chlorooctane 82.4 % 65.2-140

Surrogate: 1-Chlorooctadecane 94.6 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

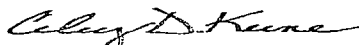
Notes and Definitions

- 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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: <u>2alon / LPE</u>		BILL TO		ANALYSIS REQUEST																								
Project Manager: <u>Kimberly M. Wilson</u>		P.O. #:																										
Address: <u>408 W. Texas</u>		Company: <u>2alon</u>																										
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn:																										
Phone #: <u>575-746-8768</u> Fax #: <u>575-746-8905</u>		Address:																										
Project #: <u>700794-092-01</u> Project Owner: <u>Devon</u>		City:																										
Project Name: <u>Cotton Draw Unit #114</u>		State: Zip:																										
Project Location: <u>B-34-24-31</u>		Phone #:																										
Sampler Name: <u>Robbie DeRosier</u>		Fax #:																										
Lab I.D.	Sample I.D.	FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING																							
		(GRAB OR (C)OMP.	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE	ICE / COOL	OTHER:	DATE	TIME															
<u>H400379</u>	<u>B6 0'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:05</u>	<u>Chloride</u>	<u>BTEX</u>	<u>TPH</u>												
	<u>B6 1'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:08</u>															
	<u>S-1 0'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:11</u>															
	<u>S-1 1'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:13</u>															
	<u>S-1 2'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:15</u>															
	<u>S-1 3'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:16</u>															
	<u>S-2 0'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:19</u>															
	<u>S-2 1'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:20</u>															
	<u>S-2 2'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:23</u>															
	<u>S-2 3'</u>	<u>9</u>			<u>/</u>				<u>/</u>			<u>1-27-14</u>	<u>2:25</u>															

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Relinquished By: <u>Robbie DeRosier</u>	Date: <u>1/29/14</u>	Received By: <u>Anthony Torres</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>10:11</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: <u>5.8°C #54</u>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>KP</u>		

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



Page 2 of 2

Page 18 of 18

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Jalon / LPE</u>		P.O. #:	
Project Manager: <u>Kimberly M. Wilson</u>		Company: <u>Jalon</u>	
Address: <u>408 W. TEXAS</u>		Attn:	
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Address:	
Phone #: <u>575-746-8768</u> Fax #: <u>575-746-8905</u>		City:	
Project #: <u>700794.092.01</u> Project Owner: <u>Devlon</u>		State: Zip:	
Project Name: <u>Cotton Draw Unit #114</u>		Phone #:	
Project Location: <u>B-34-24-31</u>		Fax #:	
Sampler Name: <u>Robbie DeRosier</u>			

FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.	(G/RAB OR C) OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
<u>H400279</u>															<u>Chloride</u>	<u>BTEX</u>	<u>TPH</u>										
<u>11</u>	<u>S-3 0'</u>	<u>9</u>				<u>1</u>					<u>1</u>		<u>1-27-14</u>	<u>2:22</u>	<u>1</u>	<u>1</u>	<u>1</u>										
<u>12</u>	<u>S-3 1'</u>	<u>6</u>				<u>1</u>					<u>1</u>		<u>1-27-14</u>	<u>2:29</u>	<u>1</u>	<u>1</u>	<u>1</u>										
<u>13</u>	<u>S-3 2'</u>	<u>6</u>				<u>1</u>					<u>1</u>		<u>1-27-14</u>	<u>2:30</u>	<u>1</u>	<u>1</u>	<u>1</u>										
<u>14</u>	<u>S-3 3'</u>	<u>6</u>				<u>1</u>					<u>1</u>		<u>1-27-14</u>	<u>2:32</u>	<u>1</u>	<u>1</u>	<u>1</u>										

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Relinquished By: <u>Robbie DeRosier</u>	Date: <u>1/29/14</u>	Received By: <u>Johny Lewis</u>	Phone Result: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>10:11</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)		Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:		Cool Intact	(Initials)	
		<input type="checkbox"/> Yes <input type="checkbox"/> No		

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