

July 26, 2017

SHELDON HITCHCOCK

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 07/25/17 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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/ga/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
SHELDON HITCHCOCK
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -1 0' (H701942-01)

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	07/26/2017	ND	2.15	107	2.00	0.414	
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170	
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372	
Total BTEX	<0.300	0.300	07/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 104 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/26/2017	ND	448	112	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	07/26/2017	ND	190	94.8	200	1.18	
DRO >C10-C28	450	10.0	07/26/2017	ND	207	103	200	2.16	

Surrogate: 1-Chlorooctane 83.9 % 28.3-164

Surrogate: 1-Chlorooctadecane 94.6 % 34.7-157

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Caley D. Keene, Lab Director/Quality Manager

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Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -2 0' (H701942-02)

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	07/26/2017	ND	2.15	107	2.00	0.414	
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170	
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372	
Total BTEX	<0.300	0.300	07/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 108 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2017	ND	448	112	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	07/26/2017	ND	190	94.8	200	1.18	
DRO >C10-C28	<10.0	10.0	07/26/2017	ND	207	103	200	2.16	

Surrogate: 1-Chlorooctane 98.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 104 % 34.7-157

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Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -3 0' (H701942-03)

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	07/26/2017	ND	2.15	107	2.00	0.414		
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38		
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170		
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372		
Total BTX	<0.300	0.300	07/26/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7860	16.0	07/26/2017	ND	448	112	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	07/26/2017	ND	190	94.8	200	1.18	
DRO >C10-C28	63.7	10.0	07/26/2017	ND	207	103	200	2.16	


Surrogate: 1-Chlorooctane 86.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 89.4 % 34.7-157

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Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -4 0' (H701942-04)

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	07/26/2017	ND	2.15	107	2.00	0.414			
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38			
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170			
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372			
Total BTEx	<0.300	0.300	07/26/2017	ND							

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/26/2017	ND	448	112	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	07/26/2017	ND	190	94.8	200	1.18	
DRO >C10-C28	<10.0	10.0	07/26/2017	ND	207	103	200	2.16	

Surrogate: 1-Chlorooctane 95.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 92.5 % 34.7-157

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Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -5 0' (H701942-05)

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	07/26/2017	ND	2.15	107	2.00	0.414	
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170	
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372	
Total BTEX	<0.300	0.300	07/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16000	16.0	07/26/2017	ND	448	112	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	<10.0	10.0	07/26/2017	ND	190	94.8	200	1.18		
DRO >C10-C28	4050	10.0	07/26/2017	ND	207	103	200	2.16		

Surrogate: 1-Chlorooctane 75.0 % 28.3-164

Surrogate: 1-Chlorooctadecane 164 % 34.7-157

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SHELDON HITCHCOCK
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Fax To: (575) 745-8905

Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -6 0' (H701942-06)

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	07/26/2017	ND	2.15	107	2.00	0.414		
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38		
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170		
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372		
Total BTEx	<0.300	0.300	07/26/2017	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/26/2017	ND	432	108	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	07/26/2017	ND	190	94.8	200	1.18	
DRO >C10-C28	22.0	10.0	07/26/2017	ND	207	103	200	2.16	

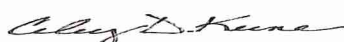
Surrogate: 1-Chlorooctane 89.8 % 28.3-164

Surrogate: 1-Chlorooctadecane 88.7 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -7 0' (H701942-07)

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	07/26/2017	ND	2.15	107	2.00	0.414		
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38		
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170		
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372		
Total BTEX	<0.300	0.300	07/26/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	07/26/2017	ND	432	108	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	07/26/2017	ND	190	94.8	200	1.18		
DRO >C10-C28	1520	10.0	07/26/2017	ND	207	103	200	2.16		

Surrogate: 1-Chlorooctane 92.1 % 28.3-164

Surrogate: 1-Chlorooctadecane 120 % 34.7-157

Sample ID: S -7 1' (H701942-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	07/26/2017	ND	432	108	400	0.00		

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Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -7 2' (H701942-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/26/2017	ND	432	108	400	0.00	

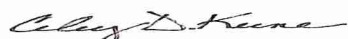
Sample ID: S -7 3' (H701942-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	07/26/2017	ND	432	108	400	0.00	

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Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -8 0' (H701942-11)

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	07/26/2017	ND	2.15	107	2.00	0.414	
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38	
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170	
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372	
Total BTX	<0.300	0.300	07/26/2017	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/26/2017	ND	432	108	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	07/26/2017	ND	190	94.8	200	1.18	
DRO >C10-C28	10.2	10.0	07/26/2017	ND	207	103	200	2.16	

Surrogate: 1-Chlorooctane 74.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 77.3 % 34.7-157

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -9 0' (H701942-12)

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	07/26/2017	ND	2.15	107	2.00	0.414		
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38		
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170		
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372		
Total BTEX	<0.300	0.300	07/26/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/26/2017	ND	432	108	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	07/26/2017	ND	190	94.8	200	1.18	
DRO >C10-C28	<10.0	10.0	07/26/2017	ND	207	103	200	2.16	

Surrogate: 1-Chlorooctane 95.3 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.1 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/25/2017
Reported: 07/26/2017
Project Name: COTTON DRAW UNIT #114
Project Number: 700794.230.01
Project Location: B-34-24-31

Sampling Date: 07/24/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -10 0' (H701942-13)

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	07/26/2017	ND	2.15	107	2.00	0.414		
Toluene*	<0.050	0.050	07/26/2017	ND	2.01	101	2.00	1.38		
Ethylbenzene*	<0.050	0.050	07/26/2017	ND	2.07	103	2.00	0.170		
Total Xylenes*	<0.150	0.150	07/26/2017	ND	6.23	104	6.00	0.372		
Total BTEX	<0.300	0.300	07/26/2017	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 72-148

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/26/2017	ND	432	108	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	07/26/2017	ND	190	94.8	200	1.18	
DRO >C10-C28	198	10.0	07/26/2017	ND	207	103	200	2.16	

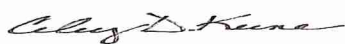
Surrogate: 1-Chlorooctane 86.4 % 28.3-164

Surrogate: 1-Chlorooctadecane 86.3 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

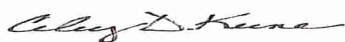
Notes and Definitions

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

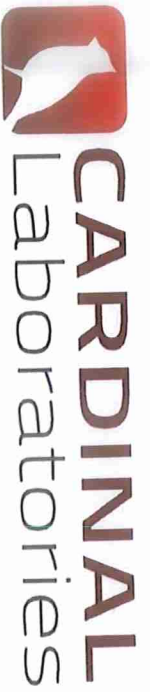
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*=Accredited Analyte

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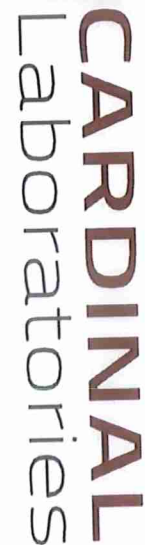
Caley D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Sheldon Hitchcock		Company: Talon/LPE					
Address: 408 W. Texas Ave.		Attn:					
City: Artesia		Address:					
Phone #: 575-746-8768		City:					
Fax #: 575-746-8905		State:					
Project #: 700794.230.01		Zip:					
Project Name: Cotton Draw Unit #114		Phone #:					
Project Location:		Fax #:					
Sampler Name: Sheldon Hitchcock		PRESERV					
FOR LAB USE ONLY		SAMPLING					
Lab I.D.		(G)RAB OR (C)OMP.					
Sample I.D.		# CONTAINERS					
		GROUNDWATER					
		WASTEWATER					
		SOIL					
		OIL					
		SLUDGE					
		OTHER :					
		ACID/BASE:					
		ICE / COOL					
		OTHER :					
		DATE					
		TIME					
H101942		7/24/17		TPH			
1 5-1 0'		9:00		BTEx			
2 5-2 0'		9:10		Chlorides			
3 5-3 0'		9:20					
4 5-4 0'		9:30					
5 5-5 0'		9:40					
6 5-6 0'		9:50					
7 5-7 0'		10:00					
8 5-7 1'		11:00					
9 5-7 2'		11:10					
10 5-7 3'		11:20					
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Relinquished By: David David		Date: 7-25-17		Time: 12:15		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Delivered By: (Circle One) David David		Date: 7-25-17		Time: 4:30		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Sampler - UPS - Bus - Other: Permitted 13.65		Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact		CHECKED BY: (Initials) David		Add'l Phone #: <input type="checkbox"/> Add'l Fax #: <input type="checkbox"/>	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/LPE

Project Manager: Sheldon Hitchcock

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 700794.230.01

Project Name: Cotton Draw Unit #114

Project Location:

Sample Name: Sheldon Hitchcock

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State:

Phone #:

Fax #:

State: NM **Zip:** 88210

Fax #: 575-746-8905

Project Owner: Devon

State:

City:

Zip:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	TPH	BTEX	Chlorides
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
11	5-80	G	1								7/24/17	10:00	/	/	/
12	5-90	G	1								7/24/17	12:00	/	/	/
13	5-100	G	1								7/24/17	1:00	/	/	/

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Relinquished By: Sheldon A. Smith

Date: 7-25-17

Time: 1:15

Received By: Mark David

Date: 7-25-17

Time: 1:30

Sample Condition: Cool ☒ Intact ☐

Checked By: (Initials)

Relinquished By: Mark David

Date: 7-25-17

Time: 1:15

Received By: Mark David

Date: 7-25-17

Time: 1:30

Sample Condition: Cool ☒ Intact ☐

Checked By: (Initials)

REMARKS:

Rush

Phone Result: ☐ Yes ☐ No **Add'l Phone #:**

Fax Result: ☐ Yes ☐ No **Add'l Fax #:**

August 11, 2017

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: COTTON DRAW #114

Enclosed are the results of analyses for samples received by the laboratory on 08/03/17 15:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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
 KIMBERLY WILSON
 408 W. TEXAS AVE.
 ARTESIA NM, 88210
 Fax To: (575) 745-8905

 Received: 08/03/2017
 Reported: 08/11/2017
 Project Name: COTTON DRAW #114
 Project Number: 700794.230.01
 Project Location: EDDY CTY

 Sampling Date: 08/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S -11 0' (H702110-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/07/2017	ND	432	108	400	3.64	

Sample ID: S -11 1' (H702110-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/07/2017	ND	432	108	400	3.64	

Sample ID: S -12 2' (H702110-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/07/2017	ND	432	108	400	3.64	

Sample ID: S -12 3' (H702110-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2017	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 08/03/2017
 Reported: 08/11/2017
 Project Name: COTTON DRAW #114
 Project Number: 700794.230.01
 Project Location: EDDY CTY

 Sampling Date: 08/03/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S -13 1' (H702110-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2017	ND	432	108	400	3.64	

Sample ID: S -13 2' (H702110-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2017	ND	432	108	400	3.64	

Sample ID: S -14 0' (H702110-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/07/2017	ND	432	108	400	3.64	

Sample ID: S -15 0' (H702110-08)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/07/2017	ND	448	112	400	0.00	

Sample ID: S -16 0' (H702110-09)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2017	ND	448	112	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 08/03/2017
Reported: 08/11/2017
Project Name: COTTON DRAW #114
Project Number: 700794.230.01
Project Location: EDDY CTY

Sampling Date: 08/03/2017
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S -17 0' (H702110-10)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2017	ND	448	112	400	0.00	

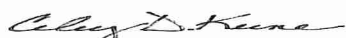
Sample ID: S -18 0' (H702110-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2017	ND	448	112	400	0.00	

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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

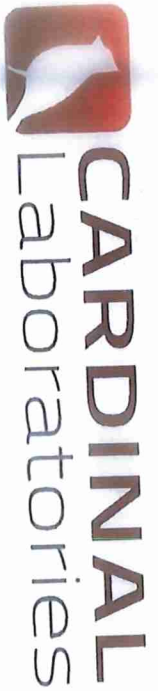
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Celey D. Keene, Lab Director/Quality Manager



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: Kimberly Wilson

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 760794.230.01

Project Name: Cotton Draw 114

Project Location:

Sampler Name: Kimberly Wilson

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H7020110

1 5-11 0'

2 5-11 1'

3 5-12 2'

4 5-12 3'

5 5-13 1'

6 5-13 2'

7 5-14 0'

8 5-15 0'

9 5-16 0'

10 5-17 0'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

8/3/17

12:00

12:05

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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: Talon/LPE Project Manager: Kimberly Wilson Address: 408 W. Texas Ave. City: Artesia State: NM Zip: 88210 Phone #: 575-746-8768 Fax #: 575-746-8905 Project #: 700744.230.01 Project Owner: Devon Project Name: Cotton Draw 114 Project Location: Sample Name: Kimberly Wilson FOR LAB USE ONLY				BILL TO P.O. #: Company: Talon/LPE Attn: Address: City: State: Zip: Phone #: Fax #:			
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	MATRIX <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER :		PRESERV <input type="checkbox"/> ACID/BASE: <input type="checkbox"/> ICE / COOL <input type="checkbox"/> OTHER :		SAMPLING	
Relinquished By: Kimberly Wilson Date: 8/31/17 Time: 3:10 Received By: Jennifer Alvarado Date: Time:		REMARKS: All Jar labels + 1 Samples received from Cortador H702041 Received CAC received 8/31/17					
Delivered By: (Circle One) 6.0°C Sampler - UPS - Bus - Other: Cooled 5.25°C Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) 40. #75					
Relinquished By: Date: Time:		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 #:					



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

August 15, 2017

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: COTTON DRAW #114

Enclosed are the results of analyses for samples received by the laboratory on 08/15/17 9:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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
KIMBERLY WILSON
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 08/15/2017
Reported: 08/15/2017
Project Name: COTTON DRAW #114
Project Number: 700794.230.01
Project Location: EDDY CTY

Sampling Date: 08/14/2017
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: S -3 (H702149-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/15/2017	ND	400	100	400	3.92	

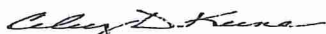
Sample ID: S -5 (H702149-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/15/2017	ND	400	100	400	3.92	

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

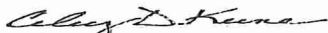
Notes and Definitions

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

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