

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	Sampling Date:	07/24/2017
Reported:	07/26/2017	Sampling Type:	Soil
Project Name:	COTTON DRAW UNIT #114	Sampling Condition:	** (See Notes)
Project Number:	700794.230.01	Sample Received By:	Tamara Oldaker
Project Location:	B-34-24-31		

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 (PIE) 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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*=Accredited Analyte

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Caley D. Keene, Lab Director/Quality Manager

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

Received:	07/25/2017	Sampling Date:	07/24/2017
Reported:	07/26/2017	Sampling Type:	Soil
Project Name:	COTTON DRAW UNIT #114	Sampling Condition:	** (See Notes)
Project Number:	700794.230.01	Sample Received By:	Tamara Oldaker
Project Location:	B-34-24-31		

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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* = Accredited Analyte

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 408 W. TEXAS AVE.
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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 -3 0' (H701942-03)

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 (PII) 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	Sampling Date:	07/24/2017
Reported:	07/26/2017	Sampling Type:	Soil
Project Name:	COTTON DRAW UNIT #114	Sampling Condition:	** (See Notes)
Project Number:	700794.230.01	Sample Received By:	Tamara Oldaker
Project Location:	B-34-24-31		

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	Sampling Date:	07/24/2017
Reported:	07/26/2017	Sampling Type:	Soil
Project Name:	COTTON DRAW UNIT #114	Sampling Condition:	** (See Notes)
Project Number:	700794.230.01	Sample Received By:	Tamara Oldaker
Project Location:	B-34-24-31		

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

Received:	07/25/2017	Sampling Date:	07/24/2017
Reported:	07/26/2017	Sampling Type:	Soil
Project Name:	COTTON DRAW UNIT #114	Sampling Condition:	** (See Notes)
Project Number:	700794.230.01	Sample Received By:	Tamara Oldaker
Project Location:	B-34-24-31		

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)

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 (PII) 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		

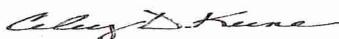
Surrogate: 1-Chlorooctane 74.2 % 28.3-164

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	Sampling Date:	07/24/2017
Reported:	07/26/2017	Sampling Type:	Soil
Project Name:	COTTON DRAW UNIT #114	Sampling Condition:	** (See Notes)
Project Number:	700794.230.01	Sample Received By:	Tamara Oldaker
Project Location:	B-34-24-31		

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	Sampling Date:	07/24/2017
Reported:	07/26/2017	Sampling Type:	Soil
Project Name:	COTTON DRAW UNIT #114	Sampling Condition:	** (See Notes)
Project Number:	700794.230.01	Sample Received By:	Tamara Oldaker
Project Location:	B-34-24-31		

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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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

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:

Sampler Name: Sheldon Hitchcock

FOR LAB USE ONLY

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State:

Phone #:

Fax #:

PRESERV:

SAMPLING

Lab I.D.

Sample I.D.

A101942

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:			
1	5-10	G	1	/	/	/	/	/	/	/	7/24/17	9:00	TPH
2	5-20	G	1	/	/	/	/	/	/	/		9:10	BTEX
3	5-30	G	1	/	/	/	/	/	/	/		9:20	Chlorides
4	5-40	G	1	/	/	/	/	/	/	/		9:30	
5	5-50	G	1	/	/	/	/	/	/	/		9:40	
6	5-60	G	1	/	/	/	/	/	/	/		9:50	
7	5-70	G	1	/	/	/	/	/	/	/		10:00	
8	5-71	G	1	/	/	/	/	/	/	/		11:00	
9	5-72	G	1	/	/	/	/	/	/	/		11:10	
10	5-73	G	1	/	/	/	/	/	/	/		11:20	

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Relinquished By: *Sheldon Hitchcock*

Date: 3.25.17

Received By: *Sheldon Hitchcock*

Date: 7.25.17

Checked By: *RUSH*

Phone Result: Yes No

Add'l Phone #: Yes No

Add'l Fax #: Yes No

REMARKS:

Relinquished By: *Sheldon Hitchcock*

Date: 7.25.17

Received By: *Sheldon Hitchcock*

Date: 7.25.17

Checked By: *RUSH*

Phone Result: Yes No

Add'l Phone #: Yes No

Add'l Fax #: Yes No

REMARKS:

Delivered By: (Circle One)

UPS Bus Other

Date: 7.25.17

Checked By: *RUSH*

Phone Result: Yes No

Add'l Phone #: Yes No

Add'l Fax #: Yes No

REMARKS:

Delivered By: (Circle One)

UPS Bus Other

Date: 7.25.17

Checked By: *RUSH*

Phone Result: Yes No

Add'l Phone #: Yes No

Add'l Fax #: Yes No

REMARKS:

16 10FL



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State:

Phone #:

Fax #:

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:

Sampler Name: Sheldon Hitchcock

FOR LAB USE ONLY

Lab I.D. Sample I.D.

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 Aris

Date: 7-25-17

Received By: Scott David

Phone Result: Yes No

Fax Result: Yes No

Add'l Phone #: Add'l Fax #:

Relinquished By: Scott David

Date: 7-25-17

Received By: Tamara Decker

Delivered By: (Circle One) 13.42

Time: 7:30

Sample Condition: Cool Intact

Checked By: (Initials) 7/25/17

Sampler - UPS - Bus - Other: 13.42

Time: 7:30

Sample Condition: Cool Intact

Checked By: (Initials) 7/25/17

REMARKS: RUSH

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, SM4500CI-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, SM4500CI-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

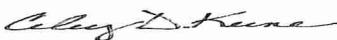
Notes and Definitions

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

Cardinal Laboratories

*= Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Talon/LPE

P.O. #:

Project Manager: Kimberly Wilson

Company: Talon/LPE

Address: 408 W. Texas Ave.

Attn:

City: Artesia

Address:

Phone #: 575-746-8768

City:

Project #: 760794.230.01

State:

Project Name: Cotton Draw 114

Phone #:

Project Location:

Fax #:

Sampler Name: Kimberly Wilson

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H7020110

5-11 0'

5-11 1'

5-12 2'

5-12 3'

5-13 1'

5-13 2'

5-14 d

5-15 0'

5-16 0'

5-17 0'

(G) GRAB OR (C) COMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

Chlorides

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 the client for the 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 30 days after completion of the applicable analysis. 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 8/31/17

Received By:

Phone Result: Yes No

Fax Result: Yes No

Add'l Phone #:

Add'l Fax #:

REMARKS: All Jar 146215 + 1 samples revised from work order H702011. Revised COC received 8/10/17.

Relinquished By:

Date:

Received By:

Phone Result:

Fax Result:

Add'l Phone #:

Add'l Fax #:

Delivered By: (Circle One) S.O.C. Canned S.25C Other:

Delivered By: (Circle One)

S.O.C.

Sample Condition

CHECKED BY: (Initials) #15

Sampler - UPS - Bus - Other:

Canned S.25C

Cool Intact Yes No

Checked BY: #15

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 #: 700744230.01 Project Owner: Devon

Project Name: Cotton Draw 114

Project Location:

Sampler Name: Kimberly Wilson

FOR LAB USE ONLY

Lab I.D. Sample I.D.

H702110
11 5-18 6'

(G)RAB OR (C)OMP.
 # CONTAINERS
 GROUNDWATER
 WASTEWATER
 SOIL
 OIL
 SLUDGE
 OTHER :
 ACID/BASE:
 ICE / COOL
 OTHER :

DATE TIME

1:25 ✓ Chlorides

BILL TO

ANALYSIS REQUEST

P.O. #:

Company: Talon/LPE

Attn:

Address:

City:

State:

Phone #:

Fax #:

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 the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: *Kimberly Wilson* Date: *8/31/17* Time: *3:10* Received By: *Jamara Alvarado*

Delivered By: (Circle One) *5:00* Sample Condition: Cool Intact Yes No Yes No

Sampler - UPS - Bus - Other: *5:25* CHECKED BY: *AD. #75*

REMARKS: All Jar labels + 1 Samples received from Cortador H702041 Received coc received 8/10/17

Phone Result: Yes No Add'l Phone #: _____
 Fax Result: Yes 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

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	Sampling Date:	08/14/2017
Reported:	08/15/2017	Sampling Type:	Soil
Project Name:	COTTON DRAW #114	Sampling Condition:	** (See Notes)
Project Number:	700794.230.01	Sample Received By:	Tamara Oldaker
Project Location:	EDDY CTY		

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

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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

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Talon/LE		P.O. #:		ANALYSIS REQUEST													
Project Manager: Sheldon Hitchcock		Company: Talon/LE															
Address: 408 W. Texas Ave.		City: Artesia															
State: NM Zip: 88210		Address:															
Phone #: 575-746-8768		City:															
Fax #: 575-746-8905		State:															
Project #: 700794.230.01		Zip:															
Project Owner: Byron Frymy		Matrix:															
Project Location: Eddie Party		Preserv:															
Sampler Name: Robert Roberts		Sampling:															
FOR LAB USE ONLY																	
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			
#7002148	S-3 .1.5'	G	1										8/14/17	3:00p			
	2 S-5 1.5'	G	1										8/14/17	3:30p			
<p>PLEASE NOTE: Laboratory and equipment cleanliness, integrity and calibration accuracy necessary for any data including whether based in computerized data shall be subject to the approval and by the client's review. In no event shall Cardinal Laboratories or its employees be held liable for negligent or consequential damages, including without limitation, business interruption, loss of data, or loss of profits, incurred by client, by negligence or otherwise. All data generated by Cardinal Laboratories shall be the property of Cardinal Laboratories and shall remain confidential. All data generated by Cardinal Laboratories shall be the property of Cardinal Laboratories and shall remain confidential.</p>																	
Relinquished By: <i>Robert Roberts</i>		Date: 8/15/17		Received By: <i>Sharon Roberts</i>		Date: 8/15/17		Time: 9:50		Sample Condition:		Checked By: <i>RP #75</i>		Remarks: <i>chlorides 4500</i>			
Delivered By: (Circle One) <i>21.6</i>		Sampler - UPS - Bus - Other: <i>Conserved 21.6</i>		Cool Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Sample Condition: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Checked By: <i>RP #75</i>		Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:		Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:	
<p>Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326</p>																	