

December 15, 2015

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: COTTON DRAW #135

Enclosed are the results of analyses for samples received by the laboratory on 12/09/15 12:35.

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

Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-1 0' (H503207-01)

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	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	0.054	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	0.170	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	1.09	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTEX	1.31	0.300	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 73.6-140

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	12/11/2015	ND	400	100	400	3.92	

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	12/10/2015	ND	203	101	200	0.611	
DRO >C10-C28	304	10.0	12/10/2015	ND	195	97.4	200	1.22	

Surrogate: 1-Chlorooctane 84.7 % 35-147

Surrogate: 1-Chlorooctadecane 84.0 % 28-171

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*=Accredited Analyte

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408 W. TEXAS AVE.
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Fax To: (575) 745-8905

Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-1 1' (H503207-02)

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	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	<0.050	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	<0.150	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTEx	<0.300	0.300	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

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	12/11/2015	ND	400	100	400	3.92	

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	12/10/2015	ND	203	101	200	0.611	
DRO >C10-C28	<10.0	10.0	12/10/2015	ND	195	97.4	200	1.22	

Surrogate: 1-Chlorooctane 90.2 % 35-147

Surrogate: 1-Chlorooctadecane 93.5 % 28-171

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Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-1 2' (H503207-03)

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	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	<0.050	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	<0.150	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTX	<0.300	0.300	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-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	12/11/2015	ND	400	100	400	3.92		

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	12/10/2015	ND	203	101	200	0.611	
DRO >C10-C28	<10.0	10.0	12/10/2015	ND	195	97.4	200	1.22	

Surrogate: 1-Chlorooctane 96.2 % 35-147

Surrogate: 1-Chlorooctadecane 96.8 % 28-171

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Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-2 0' (H503207-04)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	2.08	1.00	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	4.89	1.00	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	25.9	3.00	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTX	32.8	6.00	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/11/2015	ND	400	100	400	3.92	

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	1540	10.0	12/10/2015	ND	203	101	200	0.611	
DRO >C10-C28	6700	10.0	12/10/2015	ND	195	97.4	200	1.22	

Surrogate: 1-Chlorooctane 155 % 35-147

Surrogate: 1-Chlorooctadecane 155 % 28-171

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Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-2 1' (H503207-05)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	0.114	0.100	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	0.557	0.100	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	2.63	0.300	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTX	3.30	0.600	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 73.6-140

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	12/11/2015	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	224	10.0	12/10/2015	ND	203	101	200	0.611	
DRO >C10-C28	1930	10.0	12/10/2015	ND	195	97.4	200	1.22	

Surrogate: 1-Chlorooctane 125 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

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

 Received: 12/09/2015
 Reported: 12/15/2015
 Project Name: COTTON DRAW #135
 Project Number: 700794.177.01
 Project Location: EDDY CTY

 Sampling Date: 12/03/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Judy Garcia

Sample ID: S-2 2' (H503207-06)

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	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	<0.050	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	0.057	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	0.153	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTEx	<0.300	0.300	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.6-140

Chloride, SM4500CI-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	12/11/2015	ND	400	100	400	3.92	

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	12/10/2015	ND	203	101	200	0.611	
DRO >C10-C28	207	10.0	12/10/2015	ND	195	97.4	200	1.22	

Surrogate: 1-Chlorooctane 98.2 % 35-147

Surrogate: 1-Chlorooctadecane 94.2 % 28-171

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

Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-2 3' (H503207-07)

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	12/12/2015	ND	1.75	87.7	2.00	2.38		
Toluene*	<0.050	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03		
Ethylbenzene*	<0.050	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56		
Total Xylenes*	<0.150	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04		
Total BTEx	<0.300	0.300	12/12/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/11/2015	ND	400	100	400	3.92	

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	12/10/2015	ND	203	101	200	0.611	
DRO >C10-C28	200	10.0	12/10/2015	ND	195	97.4	200	1.22	

Surrogate: 1-Chlorooctane 97.9 % 35-147

Surrogate: 1-Chlorooctadecane 96.4 % 28-171

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Fax To: (575) 745-8905

Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-2 4' (H503207-08)

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	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	<0.050	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	<0.150	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTEX	<0.300	0.300	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/11/2015	ND	400	100	400	3.92	

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	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	120	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 92.6 % 35-147

Surrogate: 1-Chlorooctadecane 93.4 % 28-171

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Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-3 0' (H503207-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	0.799	0.200	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	2.22	0.200	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	11.6	0.600	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTEX	14.6	1.20	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/11/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	323	10.0	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	2280	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 110 % 35-147

Surrogate: 1-Chlorooctadecane 99.2 % 28-171

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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: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-3 1' (H503207-10)

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	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	<0.050	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	<0.150	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTEx	<0.300	0.300	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.6-140

Chloride, SM4500CI-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	12/11/2015	ND	400	100	400	3.92		

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	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	41.4	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 89.1 % 35-147

Surrogate: 1-Chlorooctadecane 93.3 % 28-171

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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: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-3 2' (H503207-11)

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	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	<0.050	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	<0.150	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTEx	<0.300	0.300	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

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	12/11/2015	ND	400	100	400	3.92	

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	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	<10.0	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 96.3 % 35-147

Surrogate: 1-Chlorooctadecane 89.6 % 28-171

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Celey D. Keene, Lab Director/Quality Manager

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

Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-3 3' (H503207-12)

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	12/12/2015	ND	1.75	87.7	2.00	2.38	
Toluene*	<0.050	0.050	12/12/2015	ND	1.75	87.5	2.00	2.03	
Ethylbenzene*	<0.050	0.050	12/12/2015	ND	1.82	91.1	2.00	2.56	
Total Xylenes*	<0.150	0.150	12/12/2015	ND	5.38	89.7	6.00	2.04	
Total BTEx	<0.300	0.300	12/12/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/11/2015	ND	400	100	400	3.92	

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	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	<10.0	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 93.0 % 35-147

Surrogate: 1-Chlorooctadecane 86.4 % 28-171

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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: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-3 4'R (H503207-13)

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	12/14/2015	ND	1.72	86.0	2.00	4.13	
Toluene*	<0.050	0.050	12/14/2015	ND	1.73	86.4	2.00	3.57	
Ethylbenzene*	<0.050	0.050	12/14/2015	ND	1.75	87.6	2.00	3.41	
Total Xylenes*	<0.150	0.150	12/14/2015	ND	5.35	89.2	6.00	2.82	
Total BTX	<0.300	0.300	12/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/11/2015	ND	400	100	400	3.92	

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	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	<10.0	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 99.8 % 35-147

Surrogate: 1-Chlorooctadecane 97.7 % 28-171

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Analytical Results For:

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

Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-4 0' (H503207-14)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	12/14/2015	ND	1.72	86.0	2.00	4.13	
Toluene*	2.45	1.00	12/14/2015	ND	1.73	86.4	2.00	3.57	
Ethylbenzene*	5.24	1.00	12/14/2015	ND	1.75	87.6	2.00	3.41	
Total Xylenes*	29.8	3.00	12/14/2015	ND	5.35	89.2	6.00	2.82	
Total BTX	37.5	6.00	12/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.6-140

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	12/11/2015	ND	448	112	400	3.64		

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	1590	10.0	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	6180	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 199 % 35-147

Surrogate: 1-Chlorooctadecane 146 % 28-171

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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: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-4 1' (H503207-15)

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	12/14/2015	ND	1.72	86.0	2.00	4.13	
Toluene*	<0.050	0.050	12/14/2015	ND	1.73	86.4	2.00	3.57	
Ethylbenzene*	0.066	0.050	12/14/2015	ND	1.75	87.6	2.00	3.41	
Total Xylenes*	0.288	0.150	12/14/2015	ND	5.35	89.2	6.00	2.82	
Total BTX	0.354	0.300	12/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.6-140

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	12/11/2015	ND	448	112	400	3.64		

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	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	215	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 94.7 % 35-147

Surrogate: 1-Chlorooctadecane 87.5 % 28-171

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

Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-4 2' (H503207-16)

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	12/14/2015	ND	1.72	86.0	2.00	4.13	
Toluene*	<0.050	0.050	12/14/2015	ND	1.73	86.4	2.00	3.57	
Ethylbenzene*	<0.050	0.050	12/14/2015	ND	1.75	87.6	2.00	3.41	
Total Xylenes*	<0.150	0.150	12/14/2015	ND	5.35	89.2	6.00	2.82	
Total BTEx	<0.300	0.300	12/14/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.6-140

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	12/11/2015	ND	448	112	400	3.64	

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	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	<10.0	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 95.0 % 35-147

Surrogate: 1-Chlorooctadecane 95.6 % 28-171

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Analytical Results For:

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

Received: 12/09/2015
Reported: 12/15/2015
Project Name: COTTON DRAW #135
Project Number: 700794.177.01
Project Location: EDDY CTY

Sampling Date: 12/03/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: S-4 3'R (H503207-17)

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	12/14/2015	ND	1.72	86.0	2.00	4.13		
Toluene*	<0.050	0.050	12/14/2015	ND	1.73	86.4	2.00	3.57		
Ethylbenzene*	<0.050	0.050	12/14/2015	ND	1.75	87.6	2.00	3.41		
Total Xylenes*	<0.150	0.150	12/14/2015	ND	5.35	89.2	6.00	2.82		
Total BTX	<0.300	0.300	12/14/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500CI-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	12/11/2015	ND	448	112	400	3.64	

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	12/11/2015	ND	203	101	200	2.67	
DRO >C10-C28	25.1	10.0	12/11/2015	ND	195	97.6	200	0.747	

Surrogate: 1-Chlorooctane 95.2 % 35-147

Surrogate: 1-Chlorooctadecane 94.4 % 28-171

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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

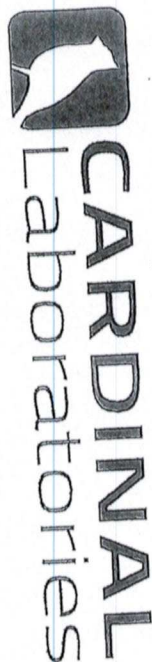
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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

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

BILL TO

ANALYSIS REQUEST

Company Name: Talon/LPE

Project Manager: Kimberly M. Wilson

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 700994, 17701

Project Name: Cottonvale #135

Project Location: Eddy City

Sampler Name: Kim Wilson

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

Chlorides
TPH
BTEX

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Relinquished By:

Relinquished By:

Date: 12/15/15

Time: 12:35

Received By:

Time:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

3.80

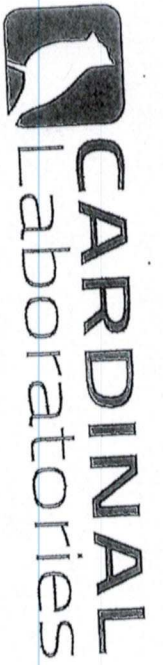
Sample Condition
Cool ☒ Yes ☐ No
Impact ☐ Yes ☐ No

CHECKED BY:

REMARKS:

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

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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 M. Wilson		Company: Talon/LPE															
Address: 408 W. Texas Ave.		Attn:															
City: Artesia		Address:															
State: NM zip: 88210		City:															
Phone #: 575-746-8768		State: Zip:															
Fax #: 575-746-8905		Phone #:															
Project #: 720794, 17701		Project Owner: Nelson															
Project Name: Leffern Draw #135		Fax #:															
Project Location: Eddy City		PRESERV															
Sampler Name: Kim Wilson		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	Chlorides	TPH	BTEX
1503201	S-3 2'	G	1										1/29/15	9:24	/	/	/
1503201	S-3 3'	G	1										9:26	/	/	/	/
1503201	S-3 4' R	G	1										9:28	/	/	/	/
1503201	S-4 0'	G	1										9:34	/	/	/	/
1503201	S-4 1'	G	1										9:36	/	/	/	/
1503201	S-4 2'	G	1										9:38	/	/	/	/
1503201	S-4 3' R	G	1										9:40	/	/	/	/
REMARKS:																	
Reinforced By: [Signature] Received By: [Signature]																	
Delivered By: (Circle One) 3.80 Sample Condition Cool ☒ Intact ☐ Yes ☐ No																	
Sampler - UPS - Bus - Other: #154																	