



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

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September 30, 2015

YVONNE BLAIR

DCP MIDSTREAM-CARLSBAD

2010 ORCHARD LANE

CARLSBAD, NM 88220

RE: 20200 LINE LEAK

Enclosed are the results of analyses for samples received by the laboratory on 09/29/15 10:38.

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](http://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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

DCP MIDSTREAM-CARLSBAD  
YVONNE BLAIR  
2010 ORCHARD LANE  
CARLSBAD NM, 88220  
Fax To: NONE

Received: 09/29/2015  
Reported: 09/30/2015  
Project Name: 20200 LINE LEAK  
Project Number: 321311502  
Project Location: SAND EUNES

Sampling Date: 09/29/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: 20200 LINE EAST SIDE WALL (H502572-01)**

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	09/30/2015	ND	2.09	105	2.00	1.94	
Toluene*	<0.050	0.050	09/30/2015	ND	1.79	89.4	2.00	1.29	
Ethylbenzene*	<0.050	0.050	09/30/2015	ND	1.73	86.7	2.00	0.686	
Total Xylenes*	<0.150	0.150	09/30/2015	ND	5.40	90.0	6.00	0.480	
Total BTEX	<0.300	0.300	09/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	09/29/2015	ND	400	100	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	09/29/2015	ND	169	84.4	200	1.04	
DRO >C10-C28	510	10.0	09/29/2015	ND	177	88.6	200	0.853	

Surrogate: 1-Chlorooctane 69.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 73.8 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

DCP MIDSTREAM-CARLSBAD  
YVONNE BLAIR  
2010 ORCHARD LANE  
CARLSBAD NM, 88220  
Fax To: NONE

Received: 09/29/2015  
Reported: 09/30/2015  
Project Name: 20200 LINE LEAK  
Project Number: 321311502  
Project Location: SAND EUNES

Sampling Date: 09/29/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: 20200 LINE UNDER PIPE (H502572-02)**

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	09/30/2015	ND	2.09	105	2.00	1.94	
Toluene*	<0.050	0.050	09/30/2015	ND	1.79	89.4	2.00	1.29	
Ethylbenzene*	<0.050	0.050	09/30/2015	ND	1.73	86.7	2.00	0.686	
Total Xylenes*	<0.150	0.150	09/30/2015	ND	5.40	90.0	6.00	0.480	
Total BTX	<0.300	0.300	09/30/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1540	16.0	09/29/2015	ND	400	100	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	09/29/2015	ND	169	84.4	200	1.04	
DRO >C10-C28	154	10.0	09/29/2015	ND	177	88.6	200	0.853	

Surrogate: 1-Chlorooctane 72.8 % 47.2-157

Surrogate: 1-Chlorooctadecane 77.8 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

DCP MIDSTREAM-CARLSBAD  
YVONNE BLAIR  
2010 ORCHARD LANE  
CARLSBAD NM, 88220  
Fax To: NONE

Received: 09/29/2015  
Reported: 09/30/2015  
Project Name: 20200 LINE LEAK  
Project Number: 321311502  
Project Location: SAND EUNES

Sampling Date: 09/29/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Judy Garcia

**Sample ID: 20200 LINE WEST SIDE WALL (H502572-03)**

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	09/30/2015	ND	2.09	105	2.00	1.94		
Toluene*	<0.050	0.050	09/30/2015	ND	1.79	89.4	2.00	1.29		
Ethylbenzene*	<0.050	0.050	09/30/2015	ND	1.73	86.7	2.00	0.686		
Total Xylenes*	<0.150	0.150	09/30/2015	ND	5.40	90.0	6.00	0.480		
Total BTEX	<0.300	0.300	09/30/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	09/29/2015	ND	400	100	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	09/29/2015	ND	169	84.4	200	1.04	
DRO >C10-C28	<10.0	10.0	09/29/2015	ND	177	88.6	200	0.853	

Surrogate: 1-Chlorooctane 70.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 80.6 % 52.1-176

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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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