



DATE: November 2017
 DESIGNED BY: K. Norman
 DRAWN BY: D. Cavinder



DCP Midstream
M Extension Line Leak 1RP-4605
 NENE Section 4, Township 19 South, Range 31 East
 Eddy County, New Mexico

Soil Sample Location
 Figure

Figure
 1

November 03, 2017

YVONNE BLAIR

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: M EXTENSION LINE

Enclosed are the results of analyses for samples received by the laboratory on 10/31/17 12:45.

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:

 DCP Midstream - Midland
 YVONNE BLAIR
 10 Desta Dr., #400-W
 Midland TX, 79705
 Fax To: None

 Received: 10/31/2017
 Reported: 11/03/2017
 Project Name: M EXTENSION LINE
 Project Number: F-231
 Project Location: NOT GIVEN

 Sampling Date: 10/27/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SOUTH WALL EXTENDED (H702981-01)

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	11/02/2017	ND	2.06	103	2.00	0.991	
Toluene*	0.133	0.050	11/02/2017	ND	2.10	105	2.00	1.89	
Ethylbenzene*	0.384	0.050	11/02/2017	ND	2.12	106	2.00	1.22	
Total Xylenes*	2.27	0.150	11/02/2017	ND	6.78	113	6.00	1.32	
Total BTEX	2.79	0.300	11/02/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 72-148

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/01/2017	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	112	10.0	11/01/2017	ND	198	98.8	200	3.65	
DRO >C10-C28	2030	10.0	11/01/2017	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	71.0	10.0	11/01/2017	ND					

Surrogate: 1-Chlorooctane 112 % 28.3-164

Surrogate: 1-Chlorooctadecane 94.3 % 34.7-157

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DCP Midstream - Midland
 YVONNE BLAIR
 10 Desta Dr., #400-W
 Midland TX, 79705
 Fax To: None

 Received: 10/31/2017
 Reported: 11/03/2017
 Project Name: M EXTENSION LINE
 Project Number: F-231
 Project Location: NOT GIVEN

 Sampling Date: 10/27/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT.7 BOTTOM @4' (H702981-02)

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	11/02/2017	ND	2.06	103	2.00	0.991	
Toluene*	<0.050	0.050	11/02/2017	ND	2.10	105	2.00	1.89	
Ethylbenzene*	0.085	0.050	11/02/2017	ND	2.12	106	2.00	1.22	
Total Xylenes*	0.430	0.150	11/02/2017	ND	6.78	113	6.00	1.32	
Total BTEX	0.515	0.300	11/02/2017	ND					

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

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	11/01/2017	ND	198	98.8	200	3.65	
DRO >C10-C28	436	10.0	11/01/2017	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	63.8	10.0	11/01/2017	ND					

Surrogate: 1-Chlorooctane 87.6 % 28.3-164

Surrogate: 1-Chlorooctadecane 104 % 34.7-157

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 DCP Midstream - Midland
 YVONNE BLAIR
 10 Desta Dr., #400-W
 Midland TX, 79705
 Fax To: None

 Received: 10/31/2017
 Reported: 11/03/2017
 Project Name: M EXTENSION LINE
 Project Number: F-231
 Project Location: NOT GIVEN

 Sampling Date: 10/27/2017
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PT.7 WEST WALL (H702981-03)

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	11/01/2017	ND	198	98.8	200	3.65	
DRO >C10-C28	12.9	10.0	11/01/2017	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	11/01/2017	ND					
<hr/>									
<i>Surrogate: 1-Chlorooctane</i>	<i>88.1 %</i>	<i>28.3-164</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>89.5 %</i>	<i>34.7-157</i>							

Sample ID: PT.7 EAST WALL (H702981-04)

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	11/01/2017	ND	198	98.8	200	3.65	
DRO >C10-C28	<10.0	10.0	11/01/2017	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	11/01/2017	ND					
<hr/>									
<i>Surrogate: 1-Chlorooctane</i>	<i>76.6 %</i>	<i>28.3-164</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>86.6 %</i>	<i>34.7-157</i>							

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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



Celey D. Keene, Lab Director/Quality Manager



CARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240 2111 Beechwood, Abilene, TX 79603
(505) 393-2326 FAX (505) 393-2476 (328) 673-7001 FAX (325) 673-7020

BCVSTH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: DCP Midstream

Project Manager: Yvonne Blair / Kyle Norman

Address: State: Zip:

City: State: Zip:

Phone #: Fax #: Project Owner:

Project #: Project Owner:

Project Name:

Project Location: M Extension Line

Sampler Name: Kyle Norman

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

BILL TO

ANALYSIS REQUEST

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chlorides	TPH 8015 M EXT	BTEX <i>*added 11/21/17</i>	Texas TPH	Complete Cations/Anions	TDS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
HT02981	South Wall Extended	(G)	1			✓				10/27/17	0900	✓					
	Pl. 7 Bottom @4'		1			✓					0915	✓	✓				
	Pl. 7 West Wall		1			✓					0920	✓	✓				
	Pl. 7 East Wall		1			✓					0930	✓	✓				

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Relinquished By: *Yvonne Blair*

Date: 10/31/17

Time: 12:45

Received By: *Yvonne Blair*

Relinquished By: *Yvonne Blair*

Date:

Time:

Received By: *Yvonne Blair*

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

1.55c

1.30c

Cool Intact Yes No

CHECKED BY: *Yvonne Blair*

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

email results: hpconder@dcpmidstream.com
yblair@dcpmidstream.com
knorman@tasman-geo.com: klewis@tasman-geo.com

corrected 1.25c

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