

August 16, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: J-4-2-11

Enclosed are the results of analyses for samples received by the laboratory on 08/15/17 13:45.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

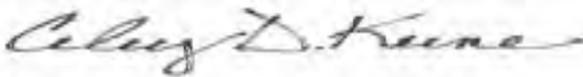
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Celey D. Keene

Lab Director/Quality Manager

**APPROVED**

*By Olivia Yu at 11:09 am, Sep 01, 2017*

NMOCD approves of the delineation completed for 1RP-4736. The Responsible Operator understood that delineating while remediating was conducted at risk.

**Analytical Results For:**

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

 Received: 08/15/2017  
 Reported: 08/16/2017  
 Project Name: J-4-2-11  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 08/15/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: WEST WALL @ 2' (H702153-01)**

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	08/16/2017	ND	179	89.7	200	3.10	
<b>DRO &gt;C10-C28</b>	<b>1760</b>	10.0	08/16/2017	ND	184	91.9	200	6.40	
<b>EXT DRO &gt;C28-C36</b>	<b>379</b>	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 86.2 % 28.3-164

Surrogate: 1-Chlorooctadecane 124 % 34.7-157

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

**Analytical Results For:**

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

 Received: 08/15/2017  
 Reported: 08/16/2017  
 Project Name: J-4-2-11  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 08/15/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: EAST WALL @ 2' (H702153-02)**

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
<b>Toluene*</b>	<b>0.961</b>	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
<b>Ethylbenzene*</b>	<b>1.39</b>	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
<b>Total Xylenes*</b>	<b>4.64</b>	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
<b>Total BTEX</b>	<b>6.99</b>	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 72-148

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>GRO C6-C10</b>	<b>271</b>	50.0	08/16/2017	ND	179	89.7	200	3.10		
<b>DRO &gt;C10-C28</b>	<b>5660</b>	50.0	08/16/2017	ND	184	91.9	200	6.40		
<b>EXT DRO &gt;C28-C36</b>	<b>1090</b>	50.0	08/16/2017	ND						

Surrogate: 1-Chlorooctane 117 % 28.3-164

Surrogate: 1-Chlorooctadecane 166 % 34.7-157

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

**Analytical Results For:**

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

 Received: 08/15/2017  
 Reported: 08/16/2017  
 Project Name: J-4-2-11  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 08/15/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: BOTTOM @ 5' (H702153-03)**

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	<0.050	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	<0.050	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	<0.150	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTEX	<0.300	0.300	08/16/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 72-148

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	08/16/2017	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>10.0</b>	10.0	08/16/2017	ND	179	89.7	200	3.10	
<b>DRO &gt;C10-C28</b>	<b>971</b>	10.0	08/16/2017	ND	184	91.9	200	6.40	
<b>EXT DRO &gt;C28-C36</b>	<b>215</b>	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 83.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.4 % 34.7-157

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**

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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

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



ARDINAL LABORATORIES

RUSH

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: DCP Midstream  
 Project Manager: **Hack Conda**  
 Address:  
 City: State: Zip:  
 Phone #: Fax #:  
 Project #: Project Owner:  
 Project Name: **J-4-2-11**  
 Project Location:  
 Sampler Name: Kyle Norman  
 P.O. #: Company:  
 Attn: Address:  
 City: State: Zip:  
 Phone #: Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	Chlorides	TPH 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
H7D2153	WEST WALL @ 2' G1			<input checked="" type="checkbox"/>						8:15	1220	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
	East Wall @ 2' G1			<input checked="" type="checkbox"/>						1230		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				
	Bottom @ 5' G1			<input checked="" type="checkbox"/>						1300		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				

PLEASE NOTE: Liability and Damages: Cardinal's liability and clients' exclusive remedy for any claim arising from this 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 interruption, 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: **[Signature]** Date: **8-15-14** Received By: **[Signature]** Time: **1:45**  
 Relinquished By: Date: Received By: Time:  
 Delivered By: (Circle One) **#75** 2:25P 2:00P  
 Sampler - UPS - Bus - Other: **#75** 2:25P 2:00P  
 Sample Condition: Cool  Intact   
 Checked By: **[Signature]**  
 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

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476  
 corrected 7:25c

August 18, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: J-4-2-11

Enclosed are the results of analyses for samples received by the laboratory on 08/17/17 16:20.

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](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,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 08/17/2017  
 Reported: 08/18/2017  
 Project Name: J-4-2-11  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 08/17/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: EAST WALL @ 3' (H702194-01)**

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	08/18/2017	ND	187	93.7	200	2.06	
DRO >C10-C28	<10.0	10.0	08/18/2017	ND	191	95.4	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	08/18/2017	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>91.6 %</i>	<i>28.3-164</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>99.8 %</i>	<i>34.7-157</i>						

**Sample ID: WEST WALL @ 3' (H702194-02)**

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	08/18/2017	ND	187	93.7	200	2.06	
DRO >C10-C28	<10.0	10.0	08/18/2017	ND	191	95.4	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	08/18/2017	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>80.2 %</i>	<i>28.3-164</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>85.1 %</i>	<i>34.7-157</i>						

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

**Analytical Results For:**

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

 Received: 08/17/2017  
 Reported: 08/18/2017  
 Project Name: J-4-2-11  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 08/17/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: VERTICAL #1 @ 6' (H702194-03)**

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10</b>	<b>31.9</b>	10.0	08/18/2017	ND	187	93.7	200	2.06	
<b>DRO &gt;C10-C28</b>	<b>1890</b>	10.0	08/18/2017	ND	191	95.4	200	3.61	
<b>EXT DRO &gt;C28-C36</b>	<b>410</b>	10.0	08/18/2017	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>94.5 %</i>	<i>28.3-164</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>119 %</i>	<i>34.7-157</i>							

**Sample ID: VERTICAL #1 @ 9' (H702194-04)**

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	08/18/2017	ND	187	93.7	200	2.06	
DRO >C10-C28	<10.0	10.0	08/18/2017	ND	191	95.4	200	3.61	
<b>EXT DRO &gt;C28-C36</b>	<b>11.2</b>	10.0	08/18/2017	ND					
<i>Surrogate: 1-Chlorooctane</i>	<i>82.9 %</i>	<i>28.3-164</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>86.0 %</i>	<i>34.7-157</i>							

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



---

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 (325) 673-7001 FAX (325) 673-7020

PUSH

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: DCP Midstream  
 Project Manager: Hack Conder  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: J-4-2-11  
 Sampler Name: Kyle Norman  
 P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

**BILL TO**

FOR LAB USE ONLY

Lab I.D. H70294 Sample I.D. \_\_\_\_\_

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

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME	Chlorides	TPH 8015 M <u>EXT</u>	BTEX	Texas TPH	Complete Cations/Anions	TDS
	1 Eastball @ 3'		1				8-17-17	0900						
	2 Westball @ 3'		1					0930						
	3 Vertical #1 @ 6'		1					1000						
	4 Vertical #1 @ 9'		1					1030						

PLEASE NOTE: Liability and claims coverage is provided for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the services. 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 data, or loss of profits incurred by client or subcontractors, or any other damages 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 methods of coverage.

Relinquished By: [Signature] Date: 8-17-17 Received By: [Signature]  
 Time: 4:20 Date: 8-17-17 Received By: [Signature]  
 Delivered By: (Circle One) UPS 4:45 4:20 Sample Condition:  Intact  Cool  Yes  No  Yes  No  
 Checked By: [Signature]

REMARKS: \_\_\_\_\_  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 email results: hpconder@dcpmidstream.com  
 yblair@dcpmidstream.com  
 knorman@tasman-geo.com:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476  
directed +.25

August 24, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: J-4-2-11

Enclosed are the results of analyses for samples received by the laboratory on 08/17/17 16:20.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

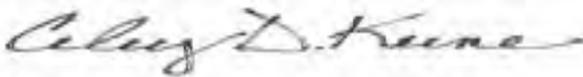
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 08/17/2017  
 Reported: 08/24/2017  
 Project Name: J-4-2-11  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 08/17/2017  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: VERTICAL #1 @ 13' (H702196-01)**

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	08/21/2017	ND	177	88.5	200	2.45	
DRO >C10-C28	<10.0	10.0	08/21/2017	ND	176	87.8	200	4.19	
EXT DRO >C28-C36	<10.0	10.0	08/21/2017	ND					
<hr/>									
<i>Surrogate: 1-Chlorooctane</i>	<i>87.4 %</i>	<i>28.3-164</i>							
<i>Surrogate: 1-Chlorooctadecane</i>	<i>91.7 %</i>	<i>34.7-157</i>							

Cardinal Laboratories

\*=Accredited Analyte

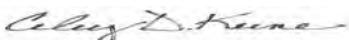
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived 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.



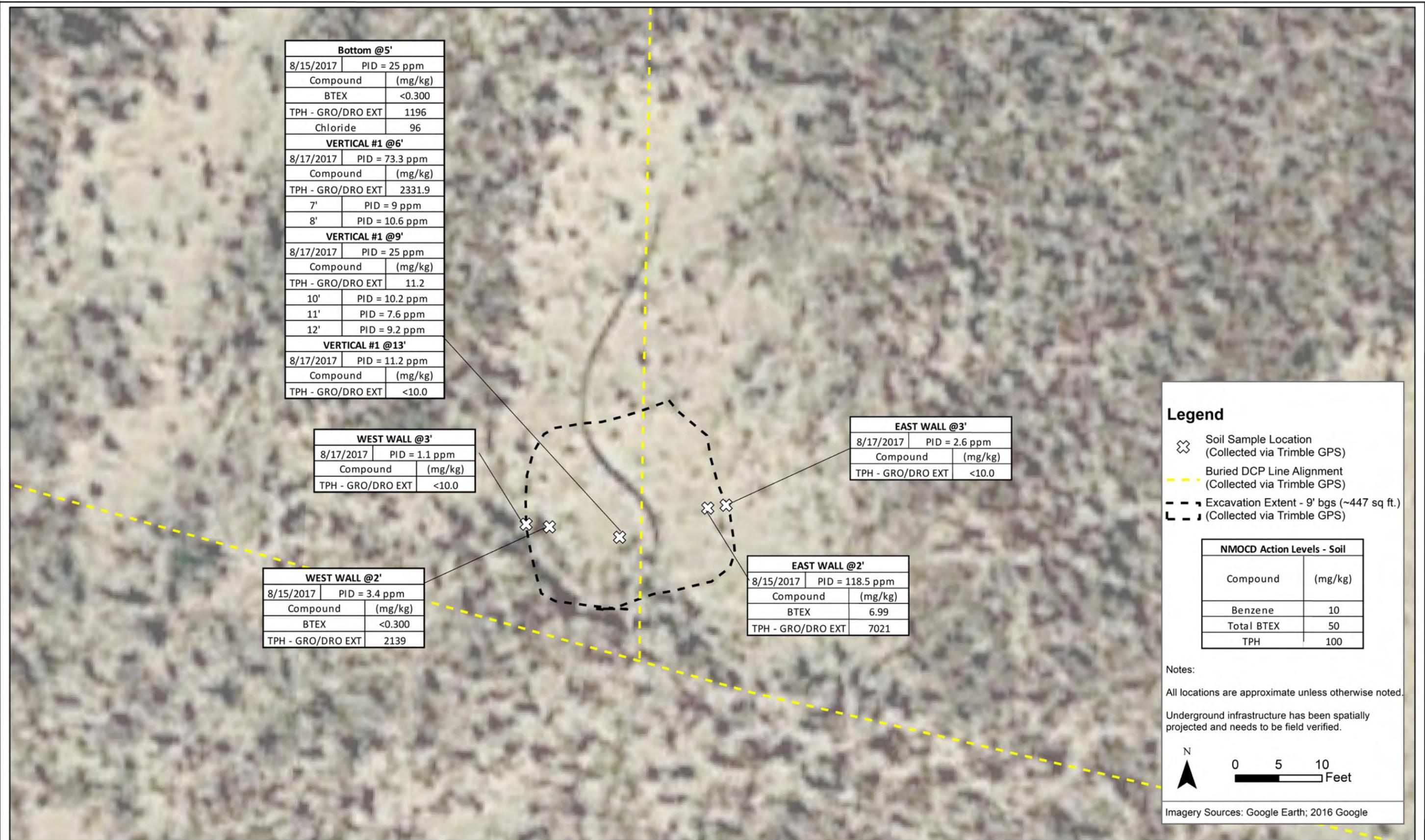
Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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







DATE: August 2017  
 DESIGNED BY: K. Norman  
 DRAWN BY: D. Arnold



**DCP Midstream  
 J-4-2-11 Line Leak**  
 NESE Section 35, Township 19 South, Range 34 East  
 Lea County, New Mexico

Soil Analytical Results  
 Map

Figure  
 1



027

026

025

030

034

T19SR34E

T19SR35E

035

036

031

003

T20SR34E

002

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, ICN, IGP, swisstopo, and the GIS User Community

T20SR35E

006