

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.

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	
DRO >C10-C28	1760	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	379	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

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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)

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	08/16/2017	ND	1.76	87.8	2.00	0.361	
Toluene*	0.961	0.050	08/16/2017	ND	1.66	83.0	2.00	0.138	
Ethylbenzene*	1.39	0.050	08/16/2017	ND	1.74	86.9	2.00	0.0139	
Total Xylenes*	4.64	0.150	08/16/2017	ND	5.21	86.9	6.00	0.0482	
Total BTX	6.99	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
GRO C6-C10	271	50.0	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	5660	50.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	1090	50.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 117 % 28.3-164

Surrogate: 1-Chlorooctadecane 166 % 34.7-157

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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)

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	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 BTX	<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
Chloride	96.0	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
GRO C6-C10	10.0	10.0	08/16/2017	ND	179	89.7	200	3.10	
DRO >C10-C28	971	10.0	08/16/2017	ND	184	91.9	200	6.40	
EXT DRO >C28-C36	215	10.0	08/16/2017	ND					

Surrogate: 1-Chlorooctane 83.5 % 28.3-164

Surrogate: 1-Chlorooctadecane 96.4 % 34.7-157

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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

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*=Accredited Analyte

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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

RUSH

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: DCP Midstream		P.O. #:		BILL TO																			
Project Manager: Hack Canda		Company:		ANALYSIS REQUEST																			
Address:		Attn:																					
City:		Address:																					
Phone #:		City:																					
Fax #:		State:																					
Project #:		Zip:																					
Project Name:		Phone #:																					
Project Location: J-4-2-11		Fax #:																					
Sampler Name: Kyle Norman																							
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 8015 M	BTEX	Texas TPH	Complete Cations/Anions	TDS			
#1702153	WEST WALL @ 2' 6"												8:15	1220									
2	East Wall @ 2' 6"												1230										
3	Bottom @ 5' 6"												1300										
PLEASE NOTE: Liability and Damages: Cardinal's liability and clients' 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:	Date: 8-15-14	Received By:												Phone Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Phone #:							
Relinquished By:	Date: 8-15-14	Received By:												Fax Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Add'l Fax #:							
Delivered By: (Circle One)	#75	Sample Condition		Cool		Intact		CHECKED BY:															
Sampler - UPS - Bus - Other:	2.25c 2.25c	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																	

† 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.

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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					
Surrogate: 1-Chlorooctane	91.6 %	28.3-164							
Surrogate: 1-Chlorooctadecane	99.8 %	34.7-157							

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					
Surrogate: 1-Chlorooctane	80.2 %	28.3-164							
Surrogate: 1-Chlorooctadecane	85.1 %	34.7-157							

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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
GRO C6-C10	31.9	10.0	08/18/2017	ND	187	93.7	200	2.06	
DRO >C10-C28	1890	10.0	08/18/2017	ND	191	95.4	200	3.61	
EXT DRO >C28-C36	410	10.0	08/18/2017	ND					
Surrogate: 1-Chlorooctane	94.5 %	28.3-164							
Surrogate: 1-Chlorooctadecane	119 %	34.7-157							

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	
EXT DRO >C28-C36	11.2	10.0	08/18/2017	ND					
Surrogate: 1-Chlorooctane	82.9 %	28.3-164							
Surrogate: 1-Chlorooctadecane	86.0 %	34.7-157							

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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

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Celey D. Keene, Lab Director/Quality Manager

ORDINAL LABORATORIES

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(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		P.O. #:	
Project Manager: Hack Conder		BILL TO	
Address:	State:	City:	Company:
Phone #:	Fax #:	Attn:	ANALYSIS REQUEST
Project #:	Project Owner:	Address:	
Project Name:		City:	
Project Location: J-4-2-11		State:	
Sampler Name: Kyle Norman		Phone #:	
FOR LAB USE ONLY	Fax #:		

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			ICE / COOL	OTHER :	Chlorides	TPH 8015 M EXT	BTEX	Texas TPH	Complete Cations/Anions	TDS
H70294	East Wall @ 3'	G	1			✓					8-17-17	0900								
	West Wall @ 3'					✓						0930								
	Vertical #1 @ 6'					✓						1000								
	Vertical #1 @ 9'					✓						1030								

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Relinquished By:	Date: 8-17-17	Received By:	Date: 8-17-17
Relinquished By:	Date:	Received By:	Date:

Delivered By: (Circle One)	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other: #75 4.45°C 4.22°C	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	(Signature)

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

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.

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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: NoneReceived: 08/17/2017
Reported: 08/24/2017
Project Name: J-4-2-11
Project Number: NONE GIVEN
Project Location: NOT GIVENSampling 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/>									
Surrogate: 1-Chlorooctane	87.4 %	28.3-164							
Surrogate: 1-Chlorooctadecane	91.7 %	34.7-157							

Cardinal Laboratories

*=Accredited Analyte

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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

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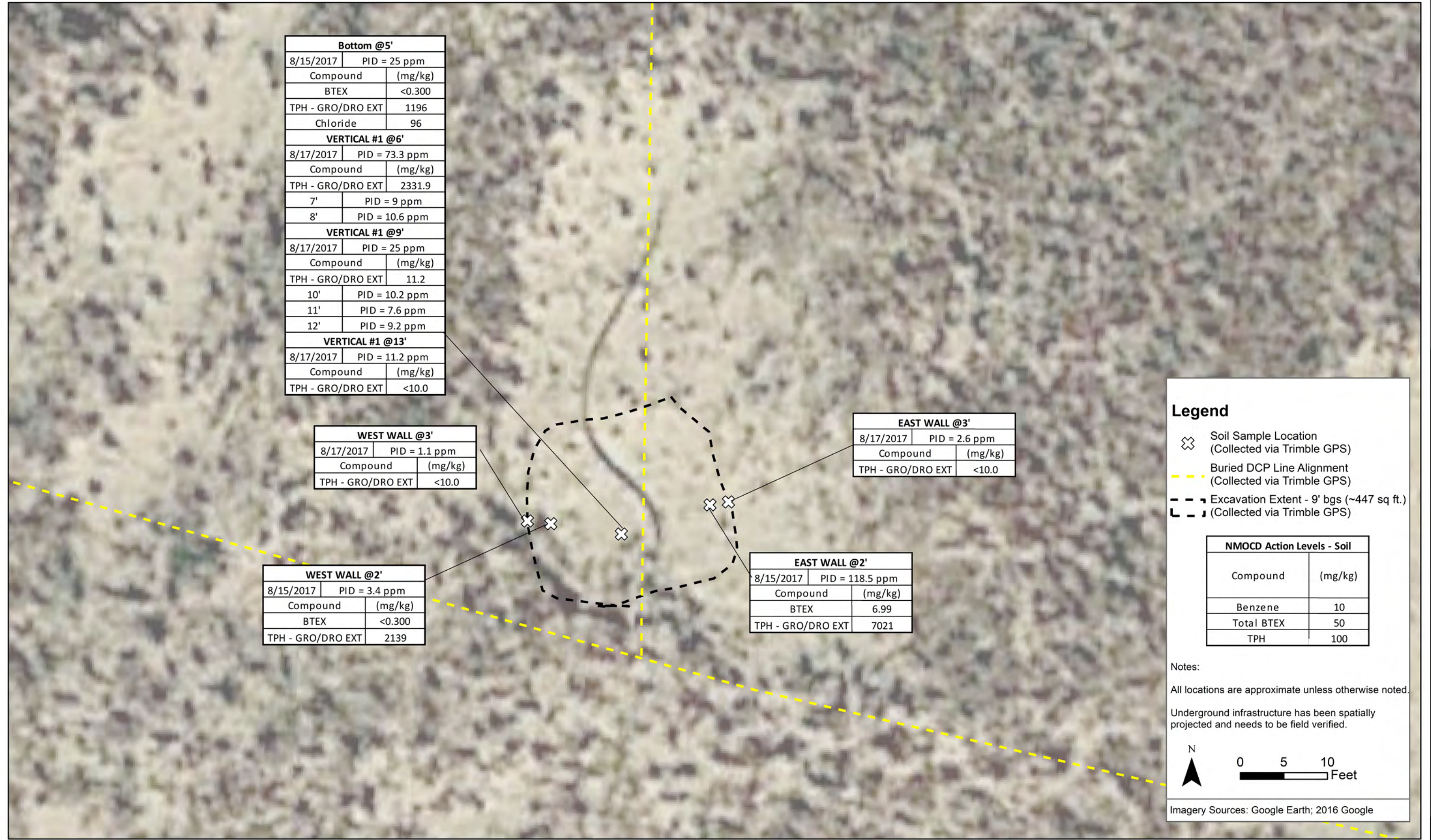
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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DATE:	August 2017
DESIGNED BY:	K. Norman
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TASMAN
GEOSCIENCES

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**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

