SITE CHARACTERIZATION AND REMEDIATION WORK PLAN

SC-1-13-1 Eddy County, New Mexico

Prepared for:



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1. INTRODUCTION

Tasman Geosciences, Inc. (Tasman) has prepared this Site Characterization and Remediation Work Plan (SCRWP) on behalf of DCP Midstream, LP (DCP) to document the results of field activities that were conducted to characterize subsurface soil conditions at the SC-1-13-1 (Site) located in Eddy County, New Mexico (Figure 1). The Site characterization activities discussed herein were completed on March 13 and 14, 2017 and recommendations for the Site have been included.

2. SITE BACKGROUND AND CHARACTERIZATION

The Site is located in New Mexico Oil Conservation Division (OCD) District 2 within the southeast quarter of the southwest quarter of section 28, township 24 south, range 26 east of the Sixth Principal Meridian (Figure 1). The facility coordinates are 32.181699 degrees north and -104.300696 degrees west. The Site is located north of Creosote Road in a rural area surrounded by privately owned land and the nearest town of Carlsbad, New Mexico, is located approximately 14 miles north of the Site.

Subsequent to surfacing of condensate material from an apparent subsurface leak, DCP mobilized to the Site and removed visually impacted soil and located and repaired the line leak. Backfilling of the excavation was conducted and the line was activated. In accordance with the New Mexico Oil and Gas Conservation Commission (NMOCD) *Guidelines for Remediation of Leaks, Spills, and Releases (GRLSR)*, DCP submitted a C-141 Release Notification and Corrective Action Form for the Site.

On March 13, 2017, approximately 48 cubic yards (yd³) of stockpiled soil was removed from the Site and transported under waste manifest procedures to the Lea Land Disposal facility in Eddy County, New Mexico. Between March 13 and 14, 2017, drilling and soil sampling activities were conducted using direct push drilling with continuous core sampling methods. Major soil types were identified using the Unified Soil Classification System (USCS) and secondary characteristics such as grain size distribution, moisture content, density/plasticity, and visual/olfactory impacts were noted during borehole logging and soil sampling activities. Soil boring logs are included in Appendix A and the borehole global positioning system (GPS) coordinate locations were collected and are illustrated on Figure 2. Based on drilling and soil sampling, the Site subsurface typically consists of fine sand, silt, and clays with some gravel and caliche deposits. Groundwater was not encountered within any of the soil borings that were conducted.

During direct push drilling activities, a one quart zip-lock bag was filled half full with an aliquot of soil from the boring. Traditional headspace sampling techniques approved by the NMOCD were applied and the samples were analyzed in the field for volatile organic compound (VOC) concentrations using a photoionization detector (PID). Soil samples were collected from the locations illustrated on Figure 2 and were appropriately packaged and submitted under chain of custody procedures to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico for analysis of BTEX using USEPA Method 8021B and total petroleum hydrocarbons gasoline range organics (TPH-GRO) and TPH diesel range organics (DRO) using USEPA Method 8015. Additionally, four samples from the area of disturbance (AOD) illustrated on Figure 2 and



one "background" sample from outside of the AOD were submitted to Cardinal for chloride analysis using USEPA Method SM 4500CL-B.

Soil impacts exceeding the NMOCD Action Levels for TPH were confirmed by PID readings and laboratory analysis at five soil boring locations (BH01, BH02, BH13, BH14, and BH17) between zero and five feet below ground surface (bgs). Soil samples at each of those five locations were collected below the 5-foot interval and were returned below the NMOCD Action Levels indicating that the vertical extents of petroleum hydrocarbon impacts were delineated. Soil samples from the remaining 12 AOD soil boring locations (BH03 through BH12, BH15, and BH16) were all returned below the NMOCD Action Levels for TPH. Additionally, laboratory analytical results for BTEX were not above the NMOCD Action Levels at any of the soil boring locations.

Chlorides were observed above the NMOCD guideline of 250 milligrams per kilogram within soil sample BH01@0-5' with a detected concentration of 1,410 milligrams per kilogram (mg/kg). The remaining AOD chloride samples BH03@05' (192 mg/kg), BH05@05' (128 mg/kg), and BH16@0-5' (192 mg/kg) were below the NMOCD guideline. However, as described above, one additional soil boring outside of the AOD as illustrated on Figure 2 was advance to 16 feet bgs. A chloride soil sample was collected from the soil boring (BH18@14-16') to act as a background comparison sample and the laboratory analytical result was above the NMOCD guideline with a detected concentration of 288 mg/kg. The soil sample laboratory analytical results are summarized in Table 1 and the laboratory analytical reports are included in Appendix B.

To assess the potential for impact to human, environmental, and cultural receptors, aerial photographs and online directories were consulted and a visual reconnaissance of the surrounding area was conducted. During the initial Site assessment, it was determined that no permitted water wells are located within a one-mile radius of the Site. Based on visual observations and a review of aerial photographs, the Site is not located within 1,000 feet of any known or labeled surface water bodies and surface water generally follows the Site topography to the north towards an unnamed intermittent riverine flood plain. Additionally, no permanent structures including habitable public and/or private buildings or residences (not related to oil and gas production activities) are located within a one-mile radius of the Site.

In accordance with Section IV of the *GRLSR*, soils which are contaminated by petroleum constituents are scored according to the ranking criteria summarized below to determine their relative threat to public health, fresh waters, and the environment. Based on the ranking criteria outlined in the GRLSR, the soil action levels for the Site include:

- Benzene 10 milligrams per kilogram (mg/kg).
- Total BTEX 50 mg/kg; and,
- Total Petroleum Hydrocarbons (TPH) 100 mg/kg.



3. REMEDIATION WORK PLAN

Physical and laboratory analysis confirm that soil impacts exceeding the NMOCD Cleanup Goals for TPH and Chlorides were exceeded at the Site. As summarized on Table 1, TPH exceedances were observed between zero to 5-feet bgs in the vicinity of BH01, BH02, BH13, BH14, and BH17. However, the vertical extents of petroleum hydrocarbon impacts were confirmed through laboratory analysis and PID readings that were collected at those locations. Chlorides were observed above the NMOCD guideline of 250 mg/kg within borehole BH01 as well as the background sample at BH18. Based on the information that has been gathered through the field activities described herein and the estimated extent of TPH impacted soils, approximately 120 cubic yards (cy) of petroleum hydrocarbon impacted material is present at the Site.

Groundwater was not encountered during any of the field activities described herein. Additionally, based on the soil sample laboratory analytical data and PID readings that were collected, the vertical extents of petroleum hydrocarbon impacted soil have been delineated and do not extend to the static groundwater interval below the Site.

Due to the relatively small amount of petroleum hydrocarbon impacted soil as well as the location and lateral and vertical extents of the soil impacts, mechanical excavation and subsequent disposal at an approved facility has been chosen as the preferred remedial alternative for this Site. The anticipated extent of the impacted soil excavation area is illustrated on Figure 2. Excavated soil will be transported under manifesting procedures to the Lea Land Inc. Landfill in Eddy County, NM. Soil samples from the excavation sidewalls and base will be collected and field screened using PID headspace sampling techniques to verify that impacted soil is completely removed. Soil samples will be submitted to Cardinal for laboratory analysis of TPH-GRO/DRO using USEPA Method 8015. Additionally, soil samples that are collected from the base of the excavation will be submitted to Cardinal for laboratory analysis of Chlorides using USEPA Method SM 4500CL-B. Once clean extents have been verified through laboratory analysis, backfill material will be placed within the excavation and compacted to the surface in 1-foot lifts.

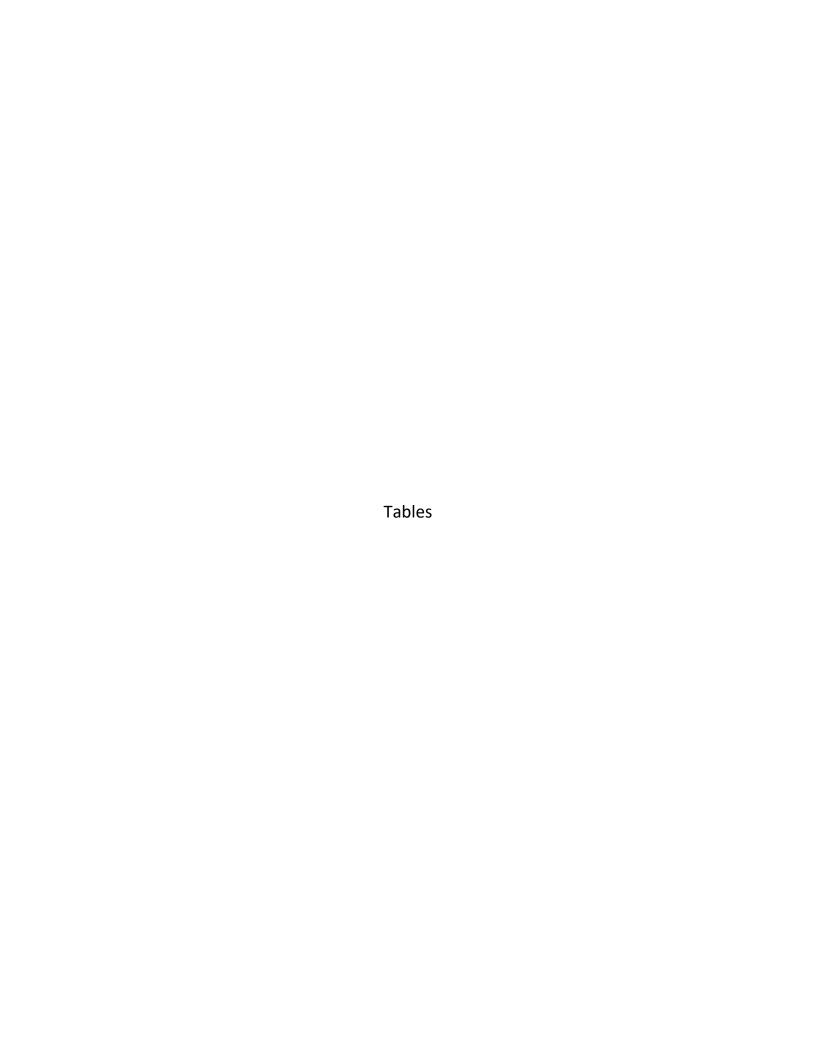


TABLE 1
DCP SC-1-13-1
SOIL ANALYTICAL RESULTS SUMMARY TABLE

Sample ID	Date Sampled	Depth (Feet bgs)	PID Readings (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH (2) GRO/DRO (mg/kg)	Chloride (mg/kg)
BH01 @ 0-4'	3/13/2017	0-4	389.4	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	155	2,160	2,315	1,410
BH01 @ 8-12'	3/13/2017	8-12	29.1	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	25.8	25.8	NA
BH02 @ 0-4'	3/13/2017	0-4	7.8	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	121	121	NA
BH02 @ 13-16'	3/13/2017	13-16	1.6	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH03 @ 0-5'	3/13/2017	0-5	1.6	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	192
BH04 @ 0-5'	3/13/2017	0-5	1.8	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH05 @ 0-5'	3/13/2017	0-5	1.3	NA	NA	NA	NA	NA	NA	NA	NA	128
BH05 @ 5-10'	3/13/2017	5-10	1.6	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH06 @ 5-10'	3/14/2017	5-10	1.0	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH07 @ 5-10'	3/14/2017	5-10	1.8	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	16.7	16.7	NA
BH08 @ 5-11'	3/14/2017	5-11	2.3	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH09 @ 0-5'	3/14/2017	0-5	2.2	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH10 @ 0-5'	3/14/2017	0-5	1.8	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH11 @ 10-14'	3/14/2017	10-14	3.4	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH12 @ 0-5'	3/14/2017	0-5	3.9	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH13 @ 0-5'	3/14/2017	0-5	322.1	< 0.050	< 0.050	< 0.050	0.561	0.561	67.5	762	829.5	NA
BH13 @ 5-10'	3/14/2017	5-10	7.4	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH14 @ 0-5'	3/14/2017	0-5	118.2	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	19.6	538	557.6	NA
BH14 @ 5-10'	3/14/2017	5-10	2.8	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH15 @ 14-16'	3/14/2017	14-16	1.2	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH16 @ 0-5'	3/14/2017	0-5	3.3	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	192

TABLE 1 DCP SC-1-13-1 SOIL ANALYTICAL RESULTS SUMMARY TABLE

Sample ID	Date Sampled	Depth (Feet bgs)	PID Readings (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH (2) GRO/DRO (mg/kg)	Chloride (mg/kg)
BH17 @ 0-5'	3/14/2017	0-5	3.1	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	1,120	1,120	NA
BH17 @ 13-16'	3/14/2017	13-16	2.3	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	NA
BH18 @ 14-16'	3/14/2017	14-16	1.8	NA	NA	NA	NA	NA	NA	NA	NA	288
NMOCD Action Levels - Soil (mg/kg) (1)				10	NA	NA	NA	50	NA	NA	100	250

Notes:

1). Standards for Soil are taken from NMOCD Guidelines for Remediation of Leaks, Spills and Releases, 1993, total ranking >19

2). TPH - Total volatile and extractable petroleum hydrocarbons. Value calculated by adding GRO and DRO concentrations.

Bold indicates concentration exceeds NMOCD Action Levels.

GRO - Gasoline range organics.

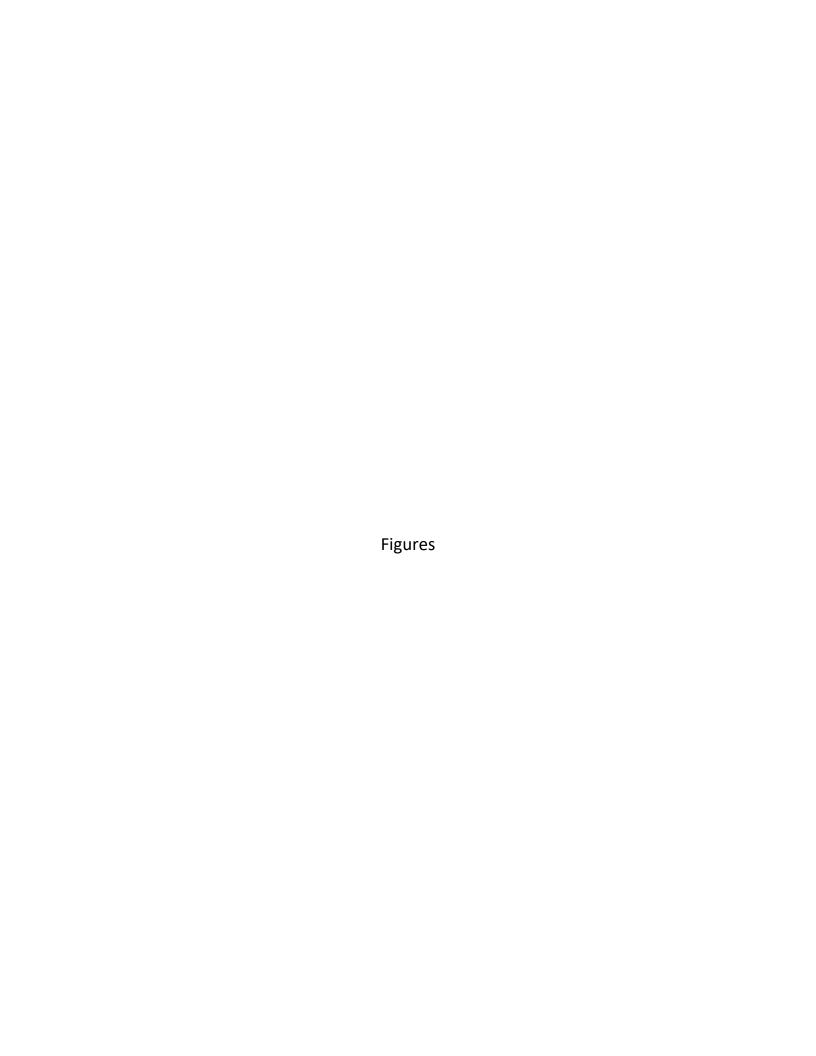
mg/kg= Milligrams per kilogram.

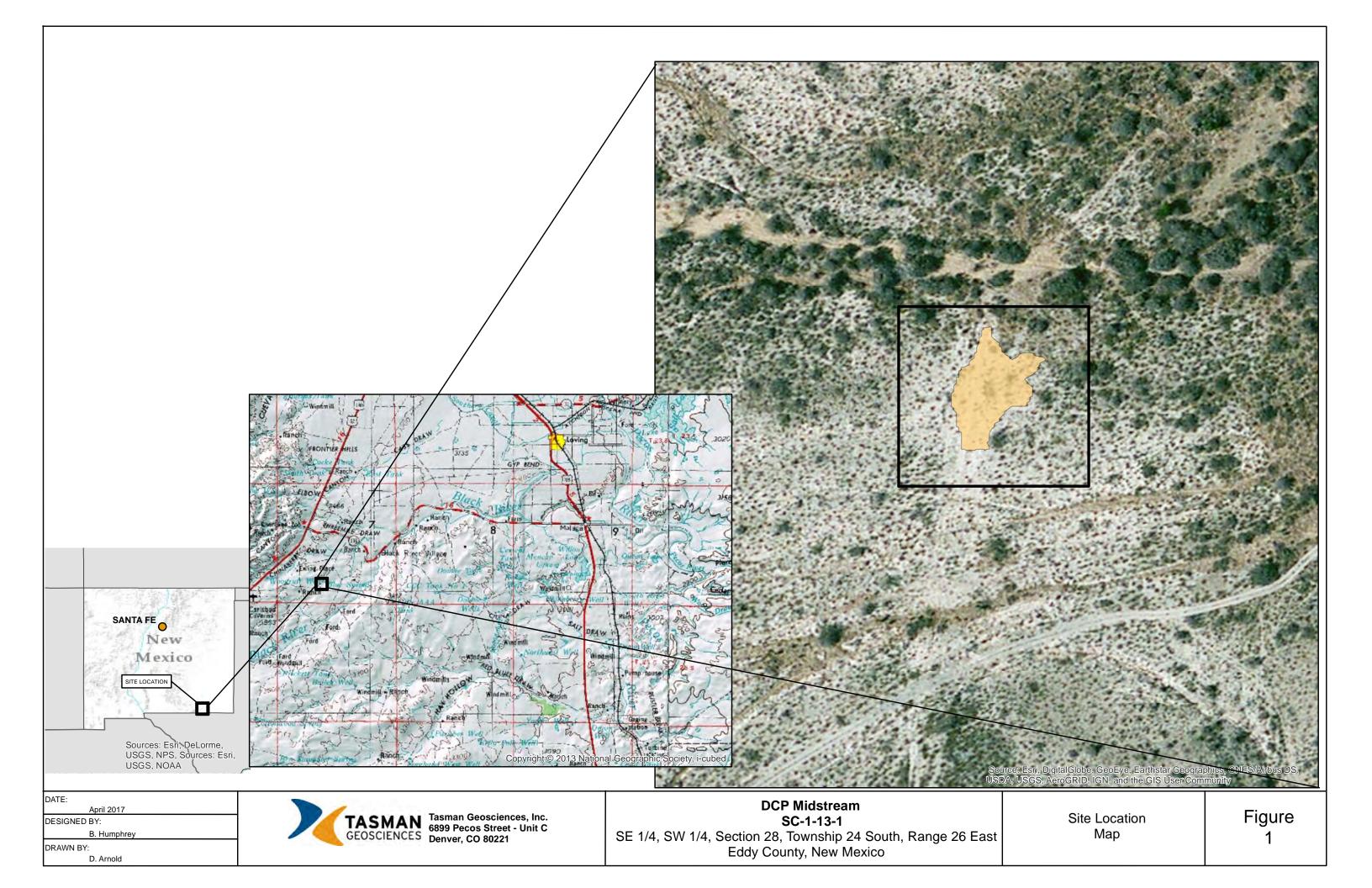
ppm - Parts per million

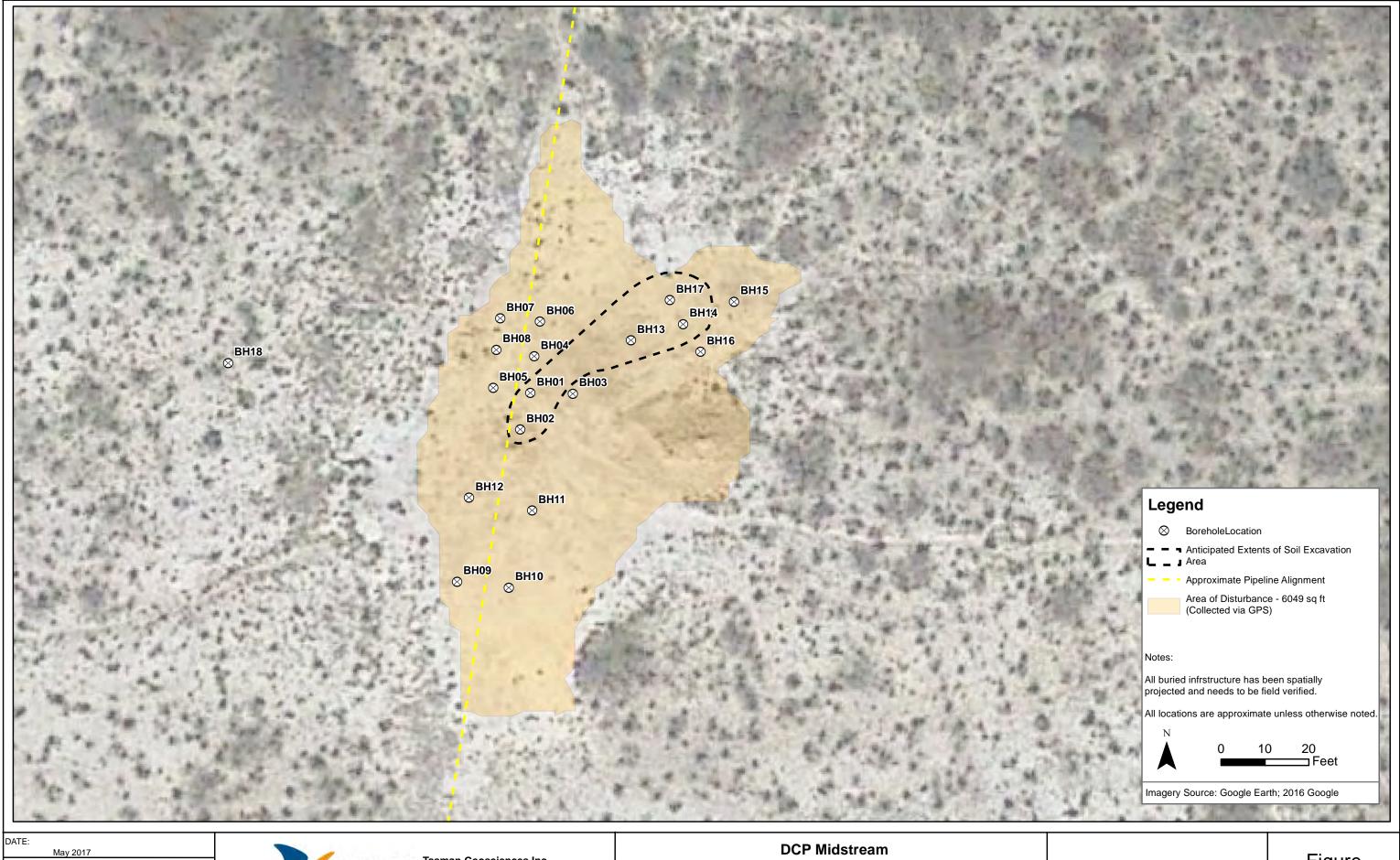
DRO - Diesel range organics.

bgs - Below ground surface.

NA - Not applicable







DESIGNED BY: K. Norman DRAWN BY: D. Arnold



SC-1-13-1 SESW Section 28, Township 24 South, Range 26 East

Eddy County, New Mexico

Soil Sample Location Мар

Figure



	TASMAN GEOSCIENCES					Borel	hole Logging Form			
oring/Well I	D#: BH 01		SITE NAME	: SC-1	1-13-1		CLIENT NAME: DCP Midstream			
ate Started:				Location	Eddy	Cou	inty, NM			
ate Complet	red: 3-13-20			TOC Elev		/A	DTW: Not Encountreed			
ype of Drill:	Direct 1			Geologis	st: Kul	e No	rman			
Bit Size:	2-inch			Project I	roject Manager: Brian Humphrey					
	any: Tasi						, /			
Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USCS	Description			
1_					12:20	sc				
2	3	Macro					Light Brown Hydro Carbon Clayey Sand Smoll			
3_			75%	389.4	V					
4 -					Yes					
5						SC				
6	7				1231		Slightly Damp			
7			75%	112			Slightly Damp Light Brown Hydro Carbon Clayey Sand Smell			
8	-						,,			
9		-			1242					
10]					GC	Slightly Damp			
11			100%	29.1	Yes	7	Slightly Damp Clayer with Some Grave 1			
12		-			1250					
13	7	-	, 1	1.2			Light Rease Classicity			
14			100%	11.2	tools	CL	Light Brown Clay With			
15		+-		0.0	13 60		Ligh Brown Sandy Clay			
16	-	1	160%	0.9		CL	7-14			
17		1				-				
18										

19_

20

21_

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7	TASMAN GEOSCIENCES
oring/W	ell ID#: Du

Borehole Logging Form

Boring/Well ID	# Du 2		SITE NAME				CLIENT NAME: OA O				
D	BHOZ		SITE NAME		-13-1	^	CLIENT NAIVIE: DCP Midstream				
Date Started:				TOC Elevation: N/A DTW: Not Encountered							
Date Complete Type of Drill:											
	DirectP	usn		Coolegisti Kyle Norman							
Drilling Compa		· n		Project	Project Manager: Brian Hamphrey						
Depth	Well	Sample	%	PID	Laboratory						
(feet)	Completion	Туре	Recovery	(ppm)	Sample	USCS	Description				
1 -											
		Macro		-> m	1314	SC	Sandy Clay Wisher Caliche				
2		Core		7.8		20	Sandy Clay W/some Caliche Light Brown				
3			80%		Yes						
4											
5							Slight Odor				
6			100%	4.8		SC	As About				
7					13 20						
8											
9											
10											
11			100%	0.9	13.25	C#	Light Brown Fat Clay				
12											
13											
14					12.2						
15		1	100%	1.6	13 32	C4	W/ Some Caliche				
16					Yes						
17											
18											
19											
20											
21											
22											
23											
24											
25 —											



Borehole Logging Form

Boring/Well ID	#: BH03		SITE NAME	CLIENT NAME: DCP Midstream								
Date Started:	3-13-17			Location	: Eddy	Cour	L. AIM					
Date Complete	ed: 3-/3-/-	7		TOC Elev	vation: N/	A	DTW: Not Encountered					
Type of Drill:	Direct P	ush		Geologis	Geologist: Kule Names							
Bit Size:	2 inch			Project Manager: Brian Humphrey								
Drilling Compa	ny: Tasm	an										
Depth (foot)	Well Completion	Sample	%	PID	Laboratory	USCS	Description					
(feet)	Completion	Type	Recovery	(ppm)	Sample							
1												
2 -			2		1352							
		Core	11161	1.6	38	50	1:4.0					
3_			100%	110			Light Brown Sandy					
4 -					Yes		,					
5		-					/					
6		-	80%	1.0								
7			7	110	1357	00						
8			-		5 C	SC	Light Brown Sandy					
9												
10												
11												
12			7-7-2	1.2	1402	SC	Clayer Sanda Soil					
13			100%									
14												
15				1,5	1408	SC	Clayey Sandy Soil Light Brown					
		V	100%	113	Hold		Light 13rown					
16												
17												
18												
19												
20												
21							-					
22												
23												
24												
25												



25 -

	TASMAN GEOSCIENCES				Borehole Logging Form							
Boring/Well II	D#: BH09	1	SITE NAME	: SC-1-	13-1		CLIENT NAME: PCP Midstream					
Date Started:				Location		Coun	ty, NM					
	red: 3-/3-/-	7		TOC Ele	vation: N	14	DTW: Not Encountered					
Type of Drill:	Direct P			Geologi	ist: Kule	Norm	an					
Bit Size:	Zinch				Manager: B	rian	Hunshees					
Drilling Compa	any: Tasmo	an										
Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	uscs	Description					
1	1						Carlo 114 a Ch					
2	1		61		1455	50	Sandy Light Brown Clay					
3	_	Macro	75%	1.8	Yes							
4	1	Core										
5							7					
6	1											
7	1	Macro	100%	1.8	1505	SC	Sandy Light Brown Clay					
8	1	Core			Hold							
9	1											
10												
11	_	Maceo										
12	_	core	100%	1.0	15 22	SC	Sandy Light Prous Class					
13	_											
14												
15	-	Macro	100%	09	1526	SC	as Above					
16		core										
17												
18	_											
19	1											
20	-											
21	-											
22	-											
23	_											
24 -	1											

	TASMAN GEOSCIENCES			Borehole Logging Form							
Boring/Well I	D#: BHOS	5	SITE NAME	:SC-1	SC-1-13-1 CLIENT NAME: DCP Midstream						
Date Started:	3-13-17				ocation: Eddy County, NM						
	ted: 3-/3-/			TOC Ele	OCELEVATION: NA DTW: Not Encountered						
				Geologis	Geologist: Kille 1/20 200						
	2 inch			Project	Project Manager: Brian Hamphrey						
Drilling Compa	any: Tasma	y: Tasman									
Depth	Well Sample			PID	Laboratory	USCS	Description				
(feet)	Completion	Type	Recovery	(ppm)	Sample						
1 -	-										
]										
2	-	den /	15.01	12	1000	20					
3 -	4	100	100%	1.3	1540	SC	Sandy-Light Brown Clay With Some Caliche				
	-	Macro	/-	1	1		With some Collione				
4]	core			0						
5 -	4	1									
5	-	+		-							
6											
]					17.75					
7	4	-	6/	11	· Elex	SC	As Above				
8 -	4	1 1	100%	1.6	15:50						
-	1				Yes						
9]				,						
10	-										
10	-	+-		-							
11	1				1600	SC	Sandy Light Bown Clay				
40 -]		1000	1.3			7				
12	-	-	100%	113	Hold						
13	-										
_											
14											
15	-		10501	1,1	1605	SC	-6 44				
	+	1	100%	1.1	1005	10	as Above				
16	1	174									
	1										
17	4										
18 -	+					1					
V	1										
19]										
20 -	4										
	+			1							
21	1										
]										
22	4										
	4	1		1	7	1 1					

24_



Borehole Logging Form

Boring/Well II	D#: B# 06	SITE NAME	SITE NAME: SC-1-13-1 CLIENT NAME: DCP Midstream								
DOTTING/ WELL ID	- BH 06		SITE INVINE		1-13-1		CLIENT NAME: DCP Midstream DTW: Not Encountered				
Date Started:	3-14-17	_		Location	1: Eddy	Cour	DTW: Not Encountered				
Date Complete	ed: 3-14-17	7		TOC Elev	vation: /V	/k	DTW: Not Encountered				
Type of Drill:		ash		Geologis	st: Kyke	Norm	LAn.				
Bit Size:	1-inch			Project	Project Manager: Brian Humphrey						
Drilling Compa Depth	well	Sample	%	PID			· · · · · · · · · · · · · · · · · · ·				
(feet)	Completion		% Recovery	4	Laboratory Sample	USCS	Description				
(ICCC)	Completion	Type	Necovery	(pp,	Janipic						
1]										
2 -	-					SC	Sandy Clay, Light Brown				
	1	Macio		-		عد	dry'				
3_	1	Core	100%	0.9	0848						
	1	1									
4	4	H		-	yes	\vdash					
5	-						2				
6	4	-				SC	E d. Clay Links Braud				
7 -	1			1.0		2	Sandy Clay Light Brown Wish some Caliche				
	1		100%		0855						
8	-	-				-					
9	1										
40 -	1										
10		-		-		-					
11											
12	-		10.01	0.6	2 2 22	-1	Clayey Sand Light 13rown With some Caliche				
	1		100%	0,0	0900	CL	With some califfe				
13	1										
14	-										
	-	1									
15	1		100%	1.0	0908	CL	as Above				
16	4	V			Hold						
100	-	-									
17	1										
18	1										
	1										
19	-			-		-					
20	1										
	1										
21	1			-		+					
22	1										
23_	4										
	1			-							
24]										
25	1										

Boring/Well I	D#: BH07		SITE NAME	: 50-1-	-/3/	
Date Started:				Location		Ca
Date Complet	ed: 3-14-17		,	TOC Ele	. /	+
Type of Drill:	Direct B			Geologis	, , , , ,	No
Bit Size:	2 inch		Project Manager: Bria			
Drilling Compa		smon				
Depth (feet)	Well Completion	Sample Type	% Recovery	PID (ppm)	Laboratory Sample	USC
1 -						
2 -	}				0915	SC
3 -	-	Macro	100%			
4 -				0,5		
5						
		-				

100%

100%

17_

24_

Hard caliche

1.8

Yes

Hold

Borel	nole Logging Form
	CLIENT NAME: DCP Midstream
Cour	DTW: Not Encountered
	101000111 6100
Non	uan 4u mphay
5,60	читрыку
USCS	Description
<i>چ</i> ر	Sandy Clay Light Brown
	,
SC	Sandy Clay Light Brown With Some Caliche
CL	Clayer Sand Light Brown With Some Caliche

1	TASMAN GEOSCIENCES					Boreh	ole Logging Form
oring/Well II	D#: BH08		SITE NAME	: SC	-1-13-1		CLIENT NAME: DCP Midsteam
ate Started:	3-14-17			Location		Count	y, NIN
ate Complet		7		TOC Ele	-		DTW: Not Encountered
ype of Drill:	Direct F			Geologi		e Nor	
it Size:	2 inch			Project			Hamphrey
rilling Compa	any: Tasma	m					The state of the s
Depth	Well	Sample	%	PID	Laboratory	USCS	Description
(feet)	Completion	Type	Recovery	(ppm)	Sample	0505	Description
1 -	-						
7	1					SC	Sandy Colon, Light Brown
2					0943		2011/ 0,11/1 9.1 3.101/1
3 -	-	Macro	100%	1,5			
J	+	Core	100/8	1,5			4
4							
_	-						
5	-	-					
6	1						
			^				
7	-		100%	2,3	0950	SC	as Above
8 -	+				Yes		
					100		
9	4	\vdash					
10	·						
	www						
11							
12	-						
12	1	H					
13							
14	-		100%	1.4	0955	CL	Clay Sand Light Brown With Some Caliche
	1	\vdash					WISH SOME CATTCHE
15					Hold		
16		V					
10	-						
17							
10 -	4						
18	+					\vdash	
19							
20	+	-		-			
21							
-							
22	-			-			
23							
24	-						
24	+	-					
25							

	TASMAN GEOSCIENCES						nole Logging Form
Boring/Well ID	#: BH09		SITE NAME	: SC-	1-13-1		CLIENT NAME: PEPMidstream
Date Started:				Location		Coun	ty NM
Date Complete	ed: 3-14-1:	7		TOC Elev	vation: \(\lambda	/A	DTW: Not Encountered
Type of Drill:	Direct Pa	ash		Geologis	st: Kyle	Nort	nan
Bit Size:	Linch			Project I	Manager:	rian	Hamphrey
Drilling Compa	ny: Tasma	M L C-mmlo	0/	PID			, ,
Depth (feet)	Completion	Sample Type	% Recovery		Laboratory Sample	USCS	Description
		.,,,	11000	NP P			
1							
2 -							
		Macro	. 4	- 0		SC	Sandy Clay, Light Brown
3		core	100%	2.2	1008		// // 3/
4					Yes		
5		-					,
6							
7 -				10	14 -		Sandy Clay, Light Brown With Some Caliche
7				1.8	1613 Hold	SC	With Some Caliche
8			100%		Hola		
9 -							
9							
10							
11 -							
1-			,				Clay Sand Light Brown
12			100%	1.8	1025	CL	Chay Sand Light Brown
13							
/ /							
14							6 1.51 1.1.2
15			100%	1.1	1030	SC	Sanchy Clay Light Brown With Caliche
		A	10010				
16		-					
17							
10							
18							
19							
20 -							
20							
21							
22 -							
23							
24							
	1			-			

	EOSCIENCES						nole Logging Form				
ring/Well ID	#: BH10		SITE NAME	: 56-	SC-1-13-1 CLIENT NAME: DCPMidstream Location: Eddy County, NM						
	3-14-17			Location: Eddy County, NM							
	d: 3-14-17			TOC Elevation: N/A DTW: Not Engountere							
pe of Drill:	Direct P	ush		Geologi	st: Kyl.	e No	mar				
Size: 2	inch			Project	Manager:	Brian	Humphrey				
Depth	ny: Tasm Well	Sample	1 %	PID	Laboratory						
(feet)	Completion		Recovery	(ppm)	Sample	USCS	Description				
1 -											
							Sandy Clarkiah + Brans				
2			100%	1.8	10 45	56	Sandy Charligh + Brown With Caliche				
3 -		Macro			Yes						
		010			162						
4											
5											
6											
7			100%	0,8	1053	SL	AS Above				
8 —				/			15 17 1-1				
<u> </u>											
9											
10											
11		-	20-51	1.7	1100	SC					
12			100%	1.7	111 11	20	AS Above				
40 -					Hold		1.2.1.2.1.2.1.2.1.2.2.2.2.2.2.2.2.2.2.2				
13		+ +									
14				ļ.,							
15			100%	0,8	1110	50	As Above				
1		1					With Gravel				
16							VV 17 11 11 11 11 11 11 11 11 11 11 11 11				
17											

21_

22

23_

24_

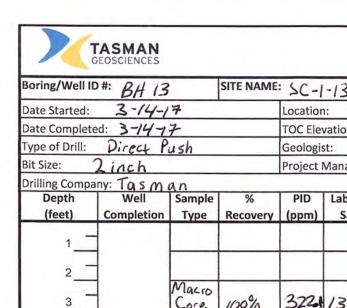
	TASMAN GEOSCIENCES					Boreh	ole Logging Form				
Boring/Well II	D#: BH //		SITE NAME	: SC-	1-13-1		CLIENT NAME: DCP Midstream				
Date Started:	3-14-17			Location	: Eddy	Coun	ty, NM				
Date Complete				TOC Ele	vation: N	A	DTW: Not Encountered				
Type of Drill:	Direct F	Push		Geologist: Kyle Norman Project Manager: Brian Humphrey							
	inch			Project	Manager: B	rian	Humphrey				
Drilling Compa Depth	well	Sample	%	PID	Laboratory						
(feet)	Completion		Recovery	(ppm)	Sample	USCS	Description				
1 -	-										
'	1										
2											
3 -	-	Macro		0.8	10.0	sc	Sandy Clay Light Brown				
		1	100%		1209	20					
4		\vdash									
5 -							1				
6	-	\vdash									
7					1218	150	As Above				
			100%	2.3							
8	1		10								
9											
10 -	-										
- 17							****				
11	-	-		- 1			0/ 0///				
12	1		160%	3,4	12:26	CL	With Some Cariche				
	1		,		Yes		William Some Callette				
13	-	$\vdash\vdash$									
14											
15	-		100%	2.2	1707	CI	as Above				
15		1	100/8	216	1232 Hold	CL	as Above				
16					HOIL						
17 -											
	1										
18	-										
19 -	1										
20											
21	1										
_	1										

23_

Boring/Well I	GEOSCIENCES		SITE NAME	. 60.1	12 1		CLIENT NAME: D.C.2 44 /
	PIII		Jorne Harmon		CLIENT NAME: DCP Midstream		
Date Started:	3-14-17 ted: 3-14-17			Location	200.9	County	y, NM
	Δ Δ			TOC Ele			DTW: Not Encountered
ype of Drill: Sit Size: 2		n		Geologi	st: Kyle	No	man
	inch			Project	Manager:	Brian	Humphrey
Depth Depth	any: Tasm	Sample	%	PID	Laboratory		
(feet)	Completion		Recovery		Sample	USCS	Description
1.000	Completion	1,100	Hecovery	(55)	Jampie		
1							
	1					-	Sandy Clay Light Bown
2	-	0/	.000/	3,9	12 35	5	W/Some Caliene
3 -	-	Macro	100%	317	Yes		
_		1			763		
4]						
	_						
5	-	+-					
6	1						(iii
7							
	-		100%	2.6	12 42	CL	Clay Sand Light Brown
8	-	-					Wealiche
9 -	-						
				-			
10							
44 -							
11	+			-			
12	1		10092	3.3	12.55	CL	As Above
_			1000	1		-	13 11000-
13					Hold		
	_	V					
14	-	-				-	0 11 1 1 2 1
45 -	-	1					@ 14' Hard Rock

21_

22_



Rorehole Logging Form

	EOSCIENCES					Boreh	nole Logging Form
Boring/Well ID)#: BH 13		SITE NAME	: SC-1	-13-1		CLIENT NAME: DCP Midstream
Date Started:	3-14-1			Location		Count	v. NM
Date Complete				TOC Elev		4	DTW: Not Encountered
Type of Drill:	Direct P.			Geologis		No	rman
Bit Size:	2 inch				Manager: A	cian	Humphrey
Drilling Compa		an					- comparey
Depth	Well	Sample	%	PID	Laboratory	USCS	Description
(feet)	Completion	Туре	Recovery	(ppm)	Sample	0303	Description
1							
2 -							Slight oder
		Macro	0.	2001	15		Slight oder Sandy Clay Light Brown
3		Core	100%	324	13 12	SC	
4					Yes		
5							
6							
7			100%		1316	CL	Clay Sandy Light Brown With Some Coliche
8				7.4	Yes		
9							
10							
11					1320	CL	As Above
12			106%	3,5	Hold		
13							
14			100%	2.7	13 25	CL	AS Above
15		V					
16							
17							
18							
19							
20							
21							-
22							
23							
24							
25 —							



GEOSCIENCES					Borei	note Logging Form
D#: BH14	1	SITE NAMI	E: SC-	1-13-1		CLIENT NAME: DCP Midstream
				n: Eddy	Cou	Det Mastream
				evation: N/	A	DTW: Not Encountered
Directi				ist: Kyle	Nor	man
2inch			Project	Manager: [Brian	Humphrey
ny: Tasma	an	2/				
1 3 3 5 5 5 5					USCS	Description
Completion	Турс	Recovery	(ррии)	Sample		4.46.04.64
			·		+-	4
	Cace	160%		1255	-	Slight Odor Sandy Clay Light Brown
		, 00/0	0.6		SC	Sandy Clay Light Isrovin
				Yes		
						1
		100%	2.8		SC	Sandy Clay Light Brown
				Yes		
		106%		408		
			2.3	Hold	SC	Sandy Clay Light Brown W/Some Cd/ithe
		100%	3.0	1416	SC	As Above
	Y					
1						
e	0#: BH14 3-14-1 ed: 3-14-1 Direct 2inch	2#: BH14 3-14-17 ed: 3-14-17 Direct Push 2inch ny: Tasman Well Sample Completion Type	#: BH14 SITE NAME 3-14-17 Direct Push 2 inch ny: Tasman Well Sample % Completion Type Recovery Macro Core 100% 100%	#: BH14 SITE NAME: SC- 3-14-17 Locatio ed: 3-14-17 TOC Ele Direct Pash Geologi 2 inch NY: Tasman Well Sample % PID Completion Type Recovery (ppm) Macro Core 100% 2.8 100% 2.3	## BH14 SITE NAME: SC-1-13-1 3-14-17	SITE NAME: SC-1-13-1 3-14-17 Location: Eddy Coulom 3-14-17 Direct Pash Geologist: Kyle Nor. 2 inch Project Manager: Brian NY: Tasman Well Sample % Completion Type Recovery (ppm) Sample USCS Macro Core 160% 1/8.2 13 \$5 \$C Yes 100% 2.8 1402 \$C Yes 100% 2.8 1402 \$C 100% 2.8 1402 \$C 100% 2.8 1402 \$C 100% 2.8 1408 \$C 100% 2.3 Hold \$C 100% 2.0 1416 \$C

G	GEOSCIENCES						nole Logging Form			
oring/Well ID	#: BH 15	วั	SITE NAME	: SC-1	-13-1		CLIENT NAME: DCP Midstream			
ate Started:	3-14-17			Location	Eddy	y County, NM				
ate Complete	ed:3-14-17	P		TOC Elev	vation: N/	N/A DTW: Not Encountered				
pe of Drill:	Direct	Push		orman						
t Size:	Zinch			Project Manager: Brian Humphrey						
	ny: Tasma									
Depth	Well	Sample	%	PID	Laboratory	uscs	Description			
(feet)	Completion	Type	Recovery	(ppm)	Sample					
1										
2		Macro	106%	***	1422	SC	Sandy Clay Light Brown			
3				0,5						
4										
5	-									
6										
7			100%	0.6	1428	SC	Sandy Clay Light Brown W/ Some Caliche			
8		1								
9		\vdash								
10										
11			. 264		1433		As Above			
12	1		100%	1.1	1793	SC	713 7.00 0.0			
13		\vdash								
14		+	(0.0.	1,2	" 1 5 5	5.5	AsAbove			
15		1	100%		1438 Yes	SC	2 200 301390			
17 -										
18										
19							77			
19	1	-	-							

24_

	TASMAN GEOSCIENCES					Boreh	ole Logging Form				
Boring/Well ID)#: BH 16		SITE NAME	: SC-	1-13-1		CLIENT NAME: DCP Midstream				
Date Started:	3-14-17			Location: Eddy County, NM							
	ed: 3-14-17			TOC Elevation: N/A DTW: Not Encounter							
ype of Drill:	Direct Pu			Geologi			rman				
Bit Size:	2 inch					Brian	Humphrey				
Orilling Compa		nan					Tronipin of				
Depth	Well	Sample	%	PID	Laboratory	ucce	Danadaki				
(feet)	Completion	Туре	Recovery	(ppm)	Sample	USCS	Description				
1		Macro					Sandy Clay, Light Brown				
2		Core	100%	3,3	1452	SC	7, 7, 3				
3 -	1	1			1452 Yes						
3	1	\vdash		-	-						
4											
_											
5	-	-		_							
6											
7			100%	1,4	1458	SC	As Above				
	1										
8	-										
9 -											
- 1 T											
10											
11 -	-										
11	1	-					10 16111				
12	1		100%	115	1505	SC	As Above With Some Calibre				
]			1	1000						
13											
14	-										
14		+-					1 - 14 - 10				
15			100%	1,7	1512	SC	As Above With some Caliche				
]	1		1	Hold		W. 111 301.12 - W. 15.11.				
16		-									
17	-										
17	1			-							
18	1										

	FASMAN GEOSCIENCES					Boreh	nole Logging Form
Boring/Well ID	#: BH 17		SITE NAME	: 50-	1-13-1		CLIENT NAME: DCP Midetcon
Date Started:	3-14-17			Location		Coun	CLIENT NAME: DCP Midstream
Date Complete				TOC Ele		/A	DTW: Not Encountered
Type of Drill:	Direct P			Geologis		Non	
Bit Size:	2 inch				Manager:	Brian	n Humphrey
Drilling Compa		an					7
Depth	Well	Sample	%	PID	Laboratory	USCS	Description
(feet)	Completion	Type	Recovery	(ppm)	Sample	0000	Description
1 -							
_		Macro					Sandy Clay, Light Brown
2		Core	100%	3.1	1520	SC	30
3 -					Yes		
,							
4							
5 -							1
6							
7 -			100%	2.2	1525	Sc	As Above
			10010	212	1525	100	AS ABOVE
8							
9							
10		\perp		-			
11				1			
12			100%	1.5	1530	SC	As Above
13							
14					1535		
15			100%	213		SC	As Above
	1	1			Hold		
16	-						
17				-			
18	1			-		-	
19	1			-			
20							
21	1						
22 -	-						
23							
24	1						

G	FASMAN GEOSCIENCES						nole Logging Form				
Boring/Well ID	P#: BH 18	}	SITE NAME	: 5C ·	-1-13-1		CLIENT NAME: DCP Midstream.				
Date Started:	3-14-17				n: Eddy C	ount	Y.NM				
Date Complete				TOC Elevation: N/A DTW: Not Encountered							
Type of Drill:				Geologist: Kyle Norman							
	Linch		Project Manager: Brian Humphrey								
Drilling Compa		n					77				
Depth	Well	Sample	%	PID	Laboratory	USCS	Description				
(feet)	Completion	Туре	Recovery	(ppm)	Sample	0303	Description				
1 -											
1		Macro					Sandy Clay, Light Brown				
2	<u>j</u>	Core	106%	5.5	1545	56	Saving City, -igin Grown				
_							* *				
3	-	-									
4	1										
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1										
5							1				
6 -											
<u> </u>	1										
7	1		100%	6.4	1552	SC	As Above				
	1										
8	-	-		-							
9 -	1										
	1										
10		1									
11 -											
11	1	-		-							
12	1		100%	3,2	1600	SC	AsAbove With Calione				
_]		1								
13	-			-							
14 -	-										
		+									
15	1		100%	1,8	1606	SC	AsAbove With Caliche				
40 -		V			Yes CV						
16		-		-	10000						
17 -	-										
	1										
18]										
10 -	-										

24_.





March 17, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: SC -1-13-1

Enclosed are the results of analyses for samples received by the laboratory on 03/14/17 18:26.

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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



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

Received: 03/14/2017 Reported: 03/17/2017

Project Name: SC -1-13-1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 03/13/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH01 0' - 4' (H700649-01)

BTEX 8021B	mg/kg		Analyze	d By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	< 0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	186 %	6 72-148	,						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	03/14/2017	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	155	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	2160	10.0	03/14/2017	ND	200	100	200	0.123	
Surrogate: 1-Chlorooctane	132 9	6 25.1-15	8						
Surrogate: 1-Chlorooctadecane	141 9	6 26.8-17	0						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

Received: 03/14/2017 Sampling Date:

Reported: 03/17/2017 Project Name: SC -1-13-1

Sampling Type: Soil

Project Number: NONE GIVEN **NOT GIVEN**

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

03/13/2017

Project Location:

Sample ID: BH01 8' - 12' (H700649-02)

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	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 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	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	25.8	10.0	03/14/2017	ND	200	100	200	0.123	

97.7% 25.1-158 Surrogate: 1-Chlorooctane Surrogate: 1-Chlorooctadecane 86.1 % 26.8-170

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Celey D. Keine



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

Received: 03/14/2017 Sampling Date: 03/13/2017 Sampling Type: Soil

Reported: 03/17/2017 Project Name: SC -1-13-1

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Project Number: NONE GIVEN Project Location: NOT GIVEN

Sample ID: BH02 0' - 4' (H700649-04)

BTEX 8021B Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier < 0.050 0.050 03/14/2017 ND 2.03 101 2.00 4.03 Benzene* Toluene* < 0.050 0.050 03/14/2017 ND 1.89 94.6 2.00 4.09 Ethylbenzene* < 0.050 0.050 03/14/2017 ND 1.87 93.7 2.00 4.51 Total Xylenes* < 0.150 0.150 03/14/2017 ND 5.34 89.1 6.00 4.35 Total BTEX < 0.300 03/14/2017 0.300 ND 108 % 72-148

Surrogate: 4-Bromofluorobenzene (PID

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	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	121	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane 101 % 25.1-158 Surrogate: 1-Chlorooctadecane 99.0 % 26.8-170

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Celeg D. Keene



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

Received: 03/14/2017 Reported: 03/17/2017

 03/14/2017
 Sampling Date:
 03/13/2017

 03/17/2017
 Sampling Type:
 Soil

Project Name: SC -1-13-1
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH02 13' - 16' (H700649-05)

BTEX 8021B mg/kg Analyzed By: MS Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier < 0.050 0.050 03/15/2017 ND 1.97 98.6 2.00 Benzene* 1.14 Toluene* < 0.050 0.050 03/15/2017 ND 1.84 91.9 2.00 1.47 Ethylbenzene* < 0.050 0.050 03/15/2017 ND 1.83 91.5 2.00 1.59 Total Xylenes* < 0.150 0.150 03/15/2017 ND 5.22 86.9 6.00 1.74 Total BTEX < 0.300 03/15/2017 0.300 ND Surrogate: 4-Bromofluorobenzene (PID 99.1 % 72-148

TPH 8015M mg/kg		/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	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	
-									

Surrogate: 1-Chlorooctane 99.6 % 25.1-158 Surrogate: 1-Chlorooctadecane 106 % 26.8-170

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



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

Received: 03/14/2017 Reported: 03/17/2017 Sampling Date: 03/13/2017 Sampling Type: Soil

Project Name: SC -1-13-1 Project Number: NONE GIVEN **NOT GIVEN**

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Project Location:

Sample ID: BH03 0' - 5' (H700649-06)

B1EX 8021B	mg	кg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					

Surrogate: 4-Bromoflyorobenzene (PID) 102 % 72-148

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/17/2017	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane 101 % 25.1-158 89.3 % 26.8-170 Surrogate: 1-Chlorooctadecane

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

Received: 03/14/2017

Sampling Date: 03/13/2017

Reported: 03/17/2017 Project Name: SC -1-13-1 Sampling Type: Soil

Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH04

0' - 5' (H700649-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	< 0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	< 0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 72-148							
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Pocult	Penorting Limit	Analyzed	Method Blank	RC	% Decovery	True Value OC	DDU	Oualifier

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	200	100	200	0.123	
-									

Surrogate: 1-Chlorooctane 99.6 % 25.1-158
Surrogate: 1-Chlorooctadecane 94.0 % 26.8-170

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

Received: 03/14/2017

Sampling Date: 03/13/2017

Reported: 03/17/2017

Sampling Type: Soil

Project Name: SC -1-13-1
Project Number: NONE GIVEN

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Project Location: NOT GIVEN

Sample ID: BH05 5' - 10' (H700649-10)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2017	ND	2.03	101	2.00	4.03	
Toluene*	<0.050	0.050	03/14/2017	ND	1.89	94.6	2.00	4.09	
Ethylbenzene*	<0.050	0.050	03/14/2017	ND	1.87	93.7	2.00	4.51	
Total Xylenes*	<0.150	0.150	03/14/2017	ND	5.34	89.1	6.00	4.35	
Total BTEX	<0.300	0.300	03/14/2017	ND					

Surrogate: 4-Bromofluorobenzene (PID 99.1 % 72-148

TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/14/2017	ND	196	98.1	200	2.00	
DRO >C10-C28	<10.0	10.0	03/14/2017	ND	200	100	200	0.123	

Surrogate: 1-Chlorooctane 100 % 25.1-158 Surrogate: 1-Chlorooctadecane 101 % 26.8-170

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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.

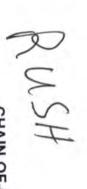
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories *=Accredited Analyte

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(6	N	476	BILL TO		ANALYSIS REQUEST
Company Name:	DCP Midstream		DILL		
Project Manager:	Humphrey /	Hack Conder	P.O. #: 1-76		
Address:	1 9		Company:		
City:	State:	Zip:	Attn:		
Phone #:	Fax #:		Address:		
Project #:	Project Owner:	ner:	City:		
Project Name:			State: Zip:		
Project Location:	SC-1-13-1"		Phone #:		
Sampler Name:	Kule Norman		1		
FOR LAB USE ONLY		ERS ATER		9 TE, TPH CL.	
Lab I.D.	Sample I.D.	G)RAB OR CONTAIN GROUNDW WASTEWA SOIL DIL SLUDGE	OTHER: ACID/BASE ICE / COOL OTHER:	TIME	
HUDGOTH	BUNI 0-4"	-	V 3-13-17	12:20 / / /	
7-	8#01 0-12	- 1	1	1242 / /	2
31	8401 12'-15'		1	1250 1	TCTT
t (8#02 0-4"			1314	We fight a value
7			1	1388	The Manual of the A
6	3			1352 0 0 0	Common Circumstance
76				1 / 80 1/	TOLO
0.	0			135/1	
				1000	777
10	10	2	4 4 /	1570 0 0	

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

サンプ

26.0

Sample Condition
Cool Intact
Yes 14 Yes
No No

Relinquished By:

Received By:

Fax Result: REMARKS:

bhumphray e tasman-geo.com knorman et t -05 added 3/14/17 appubriam. Ch 3/14/

becorder & dep midstremm .com

☐ Yes ☐ No Add'l Phone :

Relinquished By



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

P.O. #: Company:	ANALIGI	T ROOF
any:		
any:	_	
Address:		
State: Zip:		
*		
EGEDV/	_	
SAMI LING	~	
OTHER:	BYE	
_	-	
OTHER: PRINCE PR	Zip: Zip: SAMPLING DATE TIME 3-13-17 16-00	ICE/COOL OTHER: JOHN DATE TIME 13-13-17-16-00 HOW

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 395-2326 Sample Condition
Cool Intact
Yes 14 Yes
No No

Time: 3

Received By:

Received By:

red by client, its subsidiaries,

Fax Result: REMARKS: Phone Result:

☐ Yes ☐ No

Add'l Phone Add'l Fax #:

heconder e depmidsoran

bhumphrege tasman-geo.com

KNOWNIE +

Sampler - UPS - Bus - Other: Delivered By: (Circle One) Relinduished By:

Relinquished By:



March 17, 2017

HACK CONDER

DCP Midstream - Midland

10 Desta Dr., #400-W

Midland, TX 79705

RE: SC -1-13-1

Enclosed are the results of analyses for samples received by the laboratory on 03/17/17 10:45.

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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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



DCP Midstream - Midland

HACK CONDER

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

Received: 03/17/2017 Reported: 03/17/2017

 03/17/2017
 Sampling Date:
 03/13/2017

 03/17/2017
 Sampling Type:
 Soil

Project Name: SC -1-13-1 Sampling Condition: ** (See Notes)
Project Number: F-261 Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: BH05 @ 0' - 5' (H700702-01)

Chloride, SM4500Cl-B Analyzed By: AC mg/kg Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier 128 ND 432 400 Chloride 16.0 03/17/2017 108 0.00

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



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 *=Accredited Analyte

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Celeg D. Freene



RUSA

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Dramiderman /Ta	Asman Ges	BILL TO		ANALYSIS REQUEST
Project Manager:	1	Hack Conder	P.O. #:		
Address:			Company:		
City:	State:	Zip:	Attn:		
Phone #:	Fax #:		Address:		
Project #:	Project Owner:	er:	City:		
Project Name:			State: Zip:		
Project Location:	56-1-13-1		Phone #:		
Sampler Name:	Sampler Name: Kule Vocanan		Fax #:		
FOR LAB USE ONLY	,	MATRIX		NG	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME	
	BHOS @ 0'-5'	-		1540	
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Can	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 the client for the 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 30 days after completion of the applicable service. In no event shall Cardinal be liability for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	or any claim arising whether based in o be deemed walved unless made in wri ling without limitation, business interru	ontract or tort, shall be limited to the amount paking and received by Cardinal within 30 days after tions, loss of use, or loss of profits incurred by or	d by the client for the r completion of the applicable client, its subsidiaries,	Tr. Control of the co
Relinquished By:	out of or related to the performance of services in Date:	Received By:	stated	Phone Result:	☐ Yes ☐ No Add'I Phone #:
11.11	Time:	,			

Cool Intact
Yes Yes
No No

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Relinquished By:

Received By:

bhumphrey @ tasman-geo.com
hp conder @ dep mid stream. Eom

Knorman etosman-geo.com



March 17, 2017

HACK CONDER

DCP Midstream - Hobbs

1625 W. MARLAND

Hobbs, NM 88240

RE: SC-1-13-1

Enclosed are the results of analyses for samples received by the laboratory on 03/15/17 9:25.

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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



DCP Midstream - Hobbs HACK CONDER 1625 W. MARLAND Hobbs NM, 88240

Fax To: (575) 397-5598

Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH06 @ 5'-10' (H700674-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 72-148	}						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	110 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	121 9	26.8-17	0						

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DCP Midstream - Hobbs HACK CONDER 1625 W. MARLAND Hobbs NM, 88240

Fax To: (575) 397-5598

Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH07 @ 5'-10' (H700674-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 72-148	}						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	16.7	10.0	03/16/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	101 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	112 9	% 26.8-17	0						

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DCP Midstream - Hobbs HACK CONDER 1625 W. MARLAND Hobbs NM, 88240

Fax To: (575) 397-5598

Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH08 @ 5'-11' (H700674-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 72-148	}						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	105 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	115 9	% 26.8-17	0						

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DCP Midstream - Hobbs HACK CONDER 1625 W. MARLAND Hobbs NM, 88240

Fax To: (575) 397-5598

Received: 03/15/2017

Reported: 03/17/2017 Project Name: SC-1-13-1

Project Number: NONE GIVEN Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH09 @ 0'-5' (H700674-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 72-148	}						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	90.1	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	99.2	% 26.8-17	0						

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Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH10 @ 0'-5' (H700674-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 72-148	,						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	94.2	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	104 9	% 26.8-17	0						

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Received: 03/15/2017

Reported: 03/17/2017
Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH11 @ 10'-14' (H700674-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	1.97	98.6	2.00	1.14	
Toluene*	<0.050	0.050	03/15/2017	ND	1.84	91.9	2.00	1.47	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.83	91.5	2.00	1.59	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.22	86.9	6.00	1.74	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 72-148	}						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	101 5	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	111 9	% 26.8-17	0						

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Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH12 @ 0'-5' (H700674-13)

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	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 72-148	}						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	<10.0	10.0	03/16/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	98.3	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	104 9	% 26.8-17	0						

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Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH13 @ 0'-5' (H700674-15)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	0.561	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	0.561	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	133	% 72-148	}						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	67.5	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	762	10.0	03/16/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	119 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	127	% 26.8-17	0						

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Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH13 @ 5'-10' (H700674-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 72-148	}						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	195	97.6	200	0.583	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	206	103	200	0.0802	
Surrogate: 1-Chlorooctane	97.6	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	103 9	% 26.8-17	0						

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Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH14 @ 0'-5' (H700674-18)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 9	% 72-148	}						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	19.6	10.0	03/16/2017	ND	221	111	200	1.31	
DRO >C10-C28	538	10.0	03/16/2017	ND	234	117	200	2.19	
Surrogate: 1-Chlorooctane	105 9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	127 9	% 26.8-17	0						

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00/45/0047

 Received:
 03/15/2017
 Sampling Date:
 03/14/2017

 Reported:
 03/17/2017
 Sampling Type:
 Soil

Project Name: SC-1-13-1 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: SC-1-13-1

Sample ID: BH14 @ 5'-10' (H700674-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/15/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/15/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/15/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/15/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 72-148	}						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	184	92.2	200	0.325	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	194	97.1	200	0.595	
Surrogate: 1-Chlorooctane	86.3	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	83.0	% 26.8-17	70						

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Received: 03/15/2017 Reported: 03/17/2017

Project Name: SC-1-13-1
Project Number: NONE GIVEN
Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH15 @ 14'-16' (H700674-21)

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	03/16/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/16/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	< 0.150	0.150	03/16/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/16/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 72-148	}						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	184	92.2	200	0.325	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	194	97.1	200	0.595	
Surrogate: 1-Chlorooctane	92.9	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	96.2	% 26.8-17	0						

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Received: 03/15/2017

Reported: 03/17/2017
Project Name: SC-1-13-1
Project Number: NONE GIVEN

Project Location: SC-1-13-1

Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: BH16 @ 0'-5' (H700674-22)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/16/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/16/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/17/2017	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/15/2017	ND	184	92.2	200	0.325	
DRO >C10-C28	<10.0	10.0	03/15/2017	ND	194	97.1	200	0.595	
Surrogate: 1-Chlorooctane	92.6	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	94.2	% 26.8-17	0						

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DCP Midstream - Hobbs HACK CONDER 1625 W. MARLAND Hobbs NM, 88240

Fax To: (575) 397-5598

Received: 03/15/2017 Reported:

03/17/2017 Project Name: SC-1-13-1

NONE GIVEN

Project Location: SC-1-13-1 Sampling Date: 03/14/2017

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: BH17 @ 0'-5' (H700674-24)

Project Number:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/16/2017	ND	2.01	100	2.00	1.32	
Toluene*	<0.050	0.050	03/16/2017	ND	1.88	93.9	2.00	1.12	
Ethylbenzene*	<0.050	0.050	03/16/2017	ND	1.87	93.5	2.00	1.26	
Total Xylenes*	<0.150	0.150	03/16/2017	ND	5.34	89.0	6.00	1.02	
Total BTEX	<0.300	0.300	03/16/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 72-148	}						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/16/2017	ND	184	92.2	200	0.325	
DRO >C10-C28	1120	10.0	03/16/2017	ND	194	97.1	200	0.595	
Surrogate: 1-Chlorooctane	92.7	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	133 9	% 26.8-17	0						

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Celeg D. Freene



DCP Midstream - Hobbs HACK CONDER 1625 W. MARLAND Hobbs NM, 88240

Fax To: (575) 397-5598

Received: 03/15/2017

Reported: 03/17/2017
Project Name: SC-1-13-1
Project Number: NONE GIVEN

Sampling Date: Sampling Type: 03/14/2017 Soil

Sampling Condition:

Sample Received By:

Cool & Intact Jodi Henson

Project Location: SC-1-13-1

Sample ID: BH17 @ 13'-16' (H700674-25)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/17/2017	ND	2.07	103	2.00	0.523	
Toluene*	<0.050	0.050	03/17/2017	ND	1.94	97.2	2.00	0.0733	
Ethylbenzene*	<0.050	0.050	03/17/2017	ND	1.96	98.1	2.00	0.977	
Total Xylenes*	<0.150	0.150	03/17/2017	ND	5.61	93.5	6.00	1.04	
Total BTEX	<0.300	0.300	03/17/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 72-148	3						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/17/2017	ND	182	91.0	200	4.18	
DRO >C10-C28	<10.0	10.0	03/17/2017	ND	196	97.8	200	0.645	
Surrogate: 1-Chlorooctane	83.2	% 25.1-15	8						
Surrogate: 1-Chlorooctadecane	88.0	% 26.8-17	0						

Sample ID: BH18 @ 14'-16' (H700674-26)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/15/2017	ND	400	100	400	7.69	

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Notes and Definitions

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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CHAIN

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ARDINAL 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

Linfert manager. B	Brian Humphiey / Hack Consor	Zip:	Company: DCP Midstream Attn: Address:		1	0	Anions
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Project #:			State: Zip:	_	_	-	
Project Name:		0	*	_	_	_	_
Project Location: SC-1-13-1	3C-1-13-1		Phone #:	lo	_	3T	_
Campler Name: Kul	lo Norman	Fa	1	_	_	_	_
Sampler Name: Kyle Norman	le Norman	MATRIX	PRESERV. SAMPLING	_	P	Го	_
FOR LAB USE ONLY		1		_	TF	Т.	_
Lab I.D.	Sample I.D.		BASE:				Comr
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RUSH CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL 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

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THIRE.	Timo	Date:	11mg; 7:	Date: 3-15-1	sequental damages, including without oe of services hereunder by Cardinal.	bility and Damages. Cardinal's liability and client's exclusive remody for any claim arising whether based in contract or tor, shall be limited to the amount paid by the clern't for the including those for regigence and any other crusse whatever shall be desired whether these made in writing and received by Cardinal within 30 days either completion of the applicable including those for regigence and any other crusse whatever shall be desired whatever including those for regigence and any other crusse whatever shall be desired whatever the same of the contract of frontile to desired the substitution of the crusses of the contract of the crusses	-14'	10'	0-51		-10'	0-51	10'-14'	٠٠,	1-16	,-14,						Project Owner:	Fax #:	State:		Brian Humphrey / Hack Conder	DCP Midstream / Tasman Geoscience	LWV (202) 223-54
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ARDINAL 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

Company Name:	-		BILL TO		1			ANALYSIS	SISA		REQUEST	TS				
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Sampler Name: Kyle Norman	Kyle Norman		Fax #:		_	В	X	(_	
FOR LAB USE ONLY	Nylo Wollingth	MATRIX	IX PRESERV. SAMPLING		_		Ге	te							_	
Lab I.D.	Sample I.D.	GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TIME			T	Complet						-		
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