March 8, 2021

Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

Re: Remediation Summary and Closure Report
Natural Gas Gathering Line #11117 Leak Location 3
GPS: Latitude 32.297579 Longitude -104.255423
UL "P", Sec. 14, T23S, R26E
Eddy County, New Mexico
NMOCD Ref. No. NRM2016955206

Tasman Geosciences (Tasman), on behalf of DCP Operating Company, LP (DCP), has prepared this Remediation Summary and Closure Report for the condensate and natural gas Release Site known as the Natural Gas Gathering Line #11117 Leak Location 3. Details of the release are summarized below:

RELEASE DETAILS			
Type of Release:	Steel Pipeline Release	**Volume of Release:**	<5 bbls
		Volume Recovered:	bbls
Source of Release:	Natural Gas Pipeline	**Date of Release:**	**Date of Discovery:** 7/19/19
Was Immediate Notice Given?	No	**If, YES, to Whom?**	
Was a Watercourse Reached?	No	**If YES, Volume Impacting the Watercourse:**	N/A
Surface Owner:	Montclair Development Corporation	**Mineral Owner:**	N/A

Describe Cause of Problem and Remedial Action Taken:

A 6-inch diameter steel natural gas gathering pipeline developed a leak. Upon discovery on July 19, 2019, a DCP maintenance crew performed initial response actions in which impacted soil at the point of release were excavated and the pipeline leak was repaired. Between July 29 and 31, 2019, DCP maintenance conducted additional remedial activities with Tasman oversite, in which the previously excavated impacted soil placed within the relevant pipeline right of way was loaded into haul trucks and hauled, under manifest, to a New Mexico Oil Conservation Division (NMOCD) approved disposal facility for disposal (approximately 24 cubic yards [cy] of impacted soils were removed). Concurrently, Tasman initiated assessment activities in which three (3) 5-point composite soil samples were collected from the bottom and sidewalls of the excavated area and submitted to the laboratory for analysis of total petroleum hydrocarbons (TPH) and chloride (Cl-) concentrations via method 8015 M Ext. and SM4500 CL-B, respectively. The laboratory analytical results exhibited concentrations of TPH in soils above applicable NMOCD closure criteria. Based on the initial remedial actions and assessment data, it was determined that the release volume of associated hydrocarbon liquids were below the NMOCD reportable threshold of 5 barrels (bbls). Although determined to be a non-reportable release, DCP subsequently opted to submit a courtesy notification (form C-141) of the non-reportable release after further investigation activities.

A release site characterization map is provided as Figure 1. The initial remedial actions and results of the initial delineation efforts are provided in the July 2, 2020 Site Assessment Summary and Remediation Plan previously submitted to the NMOCD. General remedial action and site delineation photographs are presented in Appendix C. A copy of the initial non-reportable release notification (Form C-141) is provided in Appendix D.

REGULATORY FRAMEWORK

Surface impacts from unauthorized releases of crude oil, gases, produced water, condensate or other oil field waste which occur during normal oilfield operations are generally regulated by the NMOCD in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance and enforcement procedures. Table I of 19.15.29.12 NMAC defines the closure criteria for soils impacted by a release based on the depth to groundwater and the following site characteristics:

Site Characteristics	
Approximate Depth to Groundwater	**~ 197 feet**
Within 300 ft. of any continuously flowing or significant watercourse?	☐ Yes ☑ No
Within 200 ft. of any lakebed, sinkhole, or playa lake?	☐ Yes ☑ No
Within 300 ft. of an occupied permanent residence, school, hospital, or institution?	☐ Yes ☑ No
Within 500 ft. of a spring or private, domestic fresh water well?	☐ Yes ☑ No
Within 1,000 ft. of any fresh water well?	☑ Yes ☐ No
Within the incorporated municipal boundaries or within a municipal well field?	☐ Yes ☑ No
Within 300 ft. of a wetland?	☐ Yes ☑ No
Within the area overlying a subsurface mine?	☐ Yes ☑ No
Within an unstable area?	☐ Yes ☑ No
Within a 100-year floodplain?	☐ Yes ☑ No

A search of a groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) was conducted to determine the average depth to groundwater within a one (1) mile radius of the Release Site and to identify any registered water wells within a 1/2 mile of the Release Site. Based on a review of the water well data, the approximate average depth to groundwater in the vicinity of the Release Site was estimated to be approximately 197 feet below ground surface (bgs). Figure 1 illustrates the location of the registered water wells within the vicinity of the Release Site. The NMOSE database search findings and depth to groundwater results is provided in Appendix A.

NMOCD Closure Criteria for this site are as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride***	EPA 300.0	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Notes:
1) Soil closure criteria based on NMOCD Guidelines Title 19 Chapter 15 Part 29
2) TPH calculated by adding GRO, DRO and MRO (Ext Hydrocarbons) concentrations.

* Or other test methods approved by the NMOCD.
** Numerical limits or natural background level, whichever is greater.
*** This applies to releases of produced water or other fluids, which may contain chloride.
GRO - Gasoline range organics DRO - Diesel range organics
mg/kg - Milligrams per kilogram mg/l - Milligrams per liter
TDS - Total dissolved solids TPH - Total volatile and extractable petroleum hydrocarbons

SITE DELINEATION

Between October 22, 2019 and January 28, 2020, Tasman personnel revisited the Release Site three (3) times in an effort to complete additional site characterization, excavate identified hydrocarbon impacted soil, collect soil confirmation samples and transport/dispose of excavated soil to a NMOCD-approved disposal facility. During the assessment, two (2) 5-point composite method soil samples were collected from the bottom and sidewalls of the open excavation and submitted to an NMOCD-approved laboratory for analysis of TPH; benzene, toluene, ethylbenzene and xylene (BTEX) using analytical method SW846 8269C, and/or Cl-. Analytical results from the composite soil samples exhibited a TPH concentration in the excavation bottom sample above the NMOCD Closure Criteria of 100 ppm. The laboratory analytical results from soil samples collected during the January 28, 2020 site assessment activities are presented in the July 2, 2020 Site Assessment Summary and Remediation Plan previously submitted to the NMOCD.

As described in the July 2, 2020 Site Assessment Summary and Remediation Plan, Tasman re-mobilized to the Release Site on January 12, 2021 to advance a soil boring (Soil Boring 1) within the excavation footprint to further investigate the vertical extent of soil impacts. The soil boring was advanced using an air rotary rig, and the subsurface geology and field observations were recorded on a soil boring log. Soil samples were collected at regular vertical intervals (5', 10', 15' and 20' bgs) and field tested for chlorides using a Silver Nitrate Kit and volatile organic compounds (VOCs) using a photo-ionization detector (PID). Representative soil samples were also collected from each interval and sent to a NMOCD-approved laboratory for analysis of TPH, BTEX, and/or Cl-. Groundwater was not encountered during field investigation activities.

The location of the soil boring as well as the field screening and analytical results of the soil samples collected from the soil boring are presented on Figure 2. The soil boring log presenting a description of the subsurface geology, field observations, field screening results and soil sample intervals is provided in Appendix E. A summary of the laboratory analytical results is presented in the table below.

Concentrations of BTEX, TPH and Chloride in Soil

Sample ID	Date	Depth	Soil Status	SW 846 8260C		SW 846 8015M Ext.					E 300
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	GRO EXT C_{28}-C_{36} (mg/kg)	TPH C_6-C_{36} (mg/kg)	Chloride (mg/kg)
Soil Boring 1 @5'	1/12/2021	5'	In-Situ	<0.050	<0.300	<10.0	243	243.0	115	**358**	<16.0
Soil Boring 1 @10'	1/12/2021	10'	In-Situ	<0.050	2.20	15.3	39	54.3	11.7	66	<16.0
Soil Boring 1 @15'	1/12/2021	15'	In-Situ	<0.050	<0.300	<10.0	11	11.0	<10.0	11	64.0
Soil Boring 1 @20'	1/12/2021	20'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
NMOCD Closure Criteria				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**

Notes:

1) Soil closure criteria based on NMOCD Guidelines Title 19 Chapter 15 Part 29
2) TPH calculated by adding GRO, DRO and GRO EXT concentrations.
Bold - Indicates constituent concentration above respective NMOCD - NMAC Closure Criteria.

GRO - Gasoline range organics
DRO - Diesel range organics
mg/kg - Milligrams per kilogram
bgs - Below ground surface
NA - Not applicable
TPH - Total volatile and extractable petroleum hydrocarbons

The laboratory analytical report for the site assessment activities is provided as Appendix B.

SUMMARY OF FIELD ACTIVITIES

Based on the previous site assessment activities and findings described above, Tasman remobilized to the Release Site on January 29, 2021 to further remediate impacted soil using mechanical equipment and perform soil confirmation soil sampling within the limits of the excavation for site closure. Impacted soil was excavated to a depth of approximately 10-feet bgs with an excavation footprint of approximately 20-feet by 23-feet as illustrated on Figures 3A and 3B. Excavated impacted soil was temporarily stockpiled on-site, on top of a plastic impermeable liner, pending final disposition. Upon completion of excavation activities, six (6) confirmation composite method (5-point composite sample) soil samples were collected from the bottom and sidewalls of the excavation representing an area of no more than two hundred and fifty (250) square feet. The collected soil samples were submitted to a NMOCD-approved laboratory for analysis of TPH, BTEX, and Cl-. Laboratory analytical results indicated that TPH, BTEX, and CL- concentrations were below the NMOCD closure criteria for all of the submitted soil samples. Upon receiving laboratory analytical results from the confirmatory sampling, impacted soil (216 cy) was transported under manifest to a NMOCD-approved disposal facility. A summary of the analytical results for the bottom and sidewall confirmation soil samples is provided in the table below:

Concentrations of BTEX, TPH and Chloride in Soil

Sample ID	Date	Depth	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 C-B
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C_6-C_{10} (mg/kg)	DRO C_{10}-C_{28} (mg/kg)	GRO + DRO C_6-C_{28} (mg/kg)	ORO C_{28}-C_{35} (mg/kg)	TPH C_6-C_{35} (mg/kg)	Chloride (mg/kg)
5 PT Comp. Bottom - 1 @ 10'	1/29/2021	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
5 PT Comp. Bottom - 2 @ 10'	1/29/2021	10'	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
5 PT Comp. North Wall	1/29/2021	NA	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
5 PT Comp. East Wall	1/29/2021	NA	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
5 PT Comp. South Wall	1/29/2021	NA	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
5 PT Comp. West Wall	1/29/2021	NA	In-Situ	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
Closure Criteria				**10**	**50**	**-**	**-**	**-**	**-**	**100**	**600**

Notes:

1) Soil closure criteria based on NMOCD Guidelines Title 19 Chapter 15 Part 29
2) TPH calculated by adding GRO, DRO and GRO EXT concentrations.
Bold - Indicates constituent concentration above respective NMOCD - NMAC Closure Criteria.

GRO - Gasoline range organics
DRO - Diesel range organics
mg/kg - Milligrams per kilogram
bgs - Below ground surface
NA - Not applicable
TPH - Total volatile and extractable petroleum hydrocarbons

The bottom and sidewall 5-point composite soil confirmation sample locations as well as the field screening and laboratory analytical results are presented on Figures 3A and 3B, respectively. General remedial action, site delineation and restoration photographs are presented in Appendix C. The laboratory analytical reports are provided in Appendix B.

On February 4, 2021, the excavated area was backfilled with locally sourced, non-impacted "like" material (approximately 84 cy of general backfill and 168 cy of top soil). On February 8, 2021 and February 10, 2021, Tasman collected a 5-point composite method soil sample from the imported top soil and imported general backfill, respectively, and submitted the sample to a NMOCD-approved laboratory for analysis of TPH, BTEX, and Cl-. Laboratory analytical results indicated that TPH, BTEX, and CL- concentrations were below the NMOCD closure criteria for the submitted soil sample. The laboratory analytical report for the imported backfill and top soil sample is provided in Appendix B. On February 9, 2021, the area impacted by the release and remedial activities were contoured to match surrounding ground surface.

SITE CLOSURE REQUEST

Based on laboratory analytical results from confirmation soil samples, impacted soil within the release margins has been determined to be remediated to below the 19.15.29.12 NMAC Table I - Closure Criteria for soils impacted by the release. Tasman on behalf of DCP Midstream, respectfully requests the NMOCD grant closure approval for this site.

RESTORATION, RECLAMATION AND RE-VEGETATION

On February 9, 2021, the areas affected by the release and associated remediation activities was backfilled with locally sourced, non-impacted general backfill (~5-ft. to 10-ft. bgs) and top soil (Surface to ~5-ft. bgs). The affected area was contoured and/or compacted to achieve erosion control, stability and preservation of surface water flow to the extent practicable.

A native seed mix acceptable to the property owner will be utilized for the revegetation of the Site. Upon approval from the property owner of the native seed mix, the mixture will be broadcast at a rate two (2) times the suggested rate to compensate for broadcasting of the seed and the seeding activities will take place during the next favorable growing season. Following the broadcasting of the seed, mechanical means, such as a screen or disc harrow pulled behind a tractor, will be used to "set" the seed.

If you have any questions, or if additional information is required, please feel free to contact Stephen Weathers or the undersigned by phone or email.

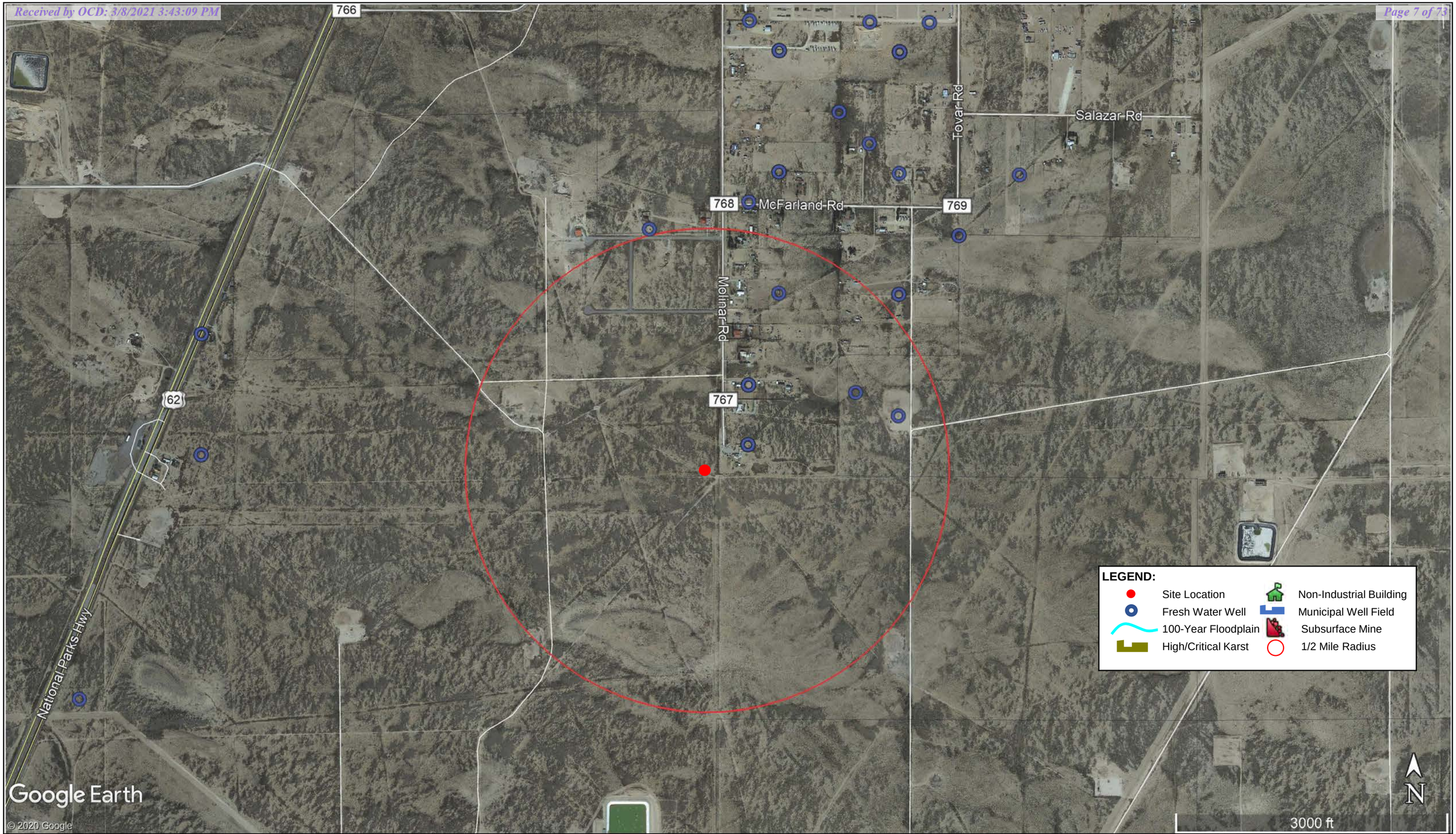
Respectfully,

Kyle Norman
Regional Project Manager
knorman@tasman-geo.com
(575) 318-5017

Attachments:

Figure 1:	Site Characteristics Map
Figure 2:	Soil Bore Location Map
Figure 3A:	Soil Confirmation Sample Location Map (Excavation Bottom)
Figure 3B:	Soil Confirmation Sample Location Map (Excavation Sidewalls)
Appendix A:	Depth to Groundwater Information
Appendix B:	Laboratory Analytical Reports
Appendix C:	Photo Documentation
Appendix D:	Release Notification and Corrective Action (FORM C-141)
Appendix E:	Soil Boring Log
Appendix F:	Closure Form (FORM C-141)

Figures



DATE: June 2020 DESIGNED BY : KN DRAWN BY : KN	TASMAN GEOSCIENCES	***Tasman Geosciences, Inc.*** ***2620 W. Marland Blvd.*** ***Hobbs, NM 88240***	**DCP Midstream** **11117 Line Leak 3** GPS: 32.297579, -104.255423 UL "P", Section 14, Township 23 South, Range 26 East Eddy County, New Mexico	Site Characteristics Map	**Figure 1**

DATE: January 2021 DESIGNED BY : KN DRAWN BY: KN	***Tasman Geosciences, Inc.*** ***2620 W. Marland Blvd.*** ***Hobbs, NM 88240***	**DCP Midstream** **11117 Line Leak 3** GPS: 32.297579, -104.255423 Eddy County, New Mexico	Soil Bore Location Map	**Figure 2**

Sample ID	Date Sampled	PID Readings (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - EXT DRO (mg/kg)	TPH [3] GRO/DRO/EXT DRO (mg/kg)	Chloride (mg/kg)
5 PT Comp. Bottom - 1 @ 10'	1/29/2021	51.0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16
5 PT Comp. Bottom - 2 @ 10'	1/29/2021	36.6	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	16
NMOCD Action Levels - Soil (mg/kg) [1]			10	50	-	-	-	100	600

LEGEND:

- Excavation depth at ~10 Ft. bgs (~460 sq. ft.)
- 11117 6” Steel Pipeline
- 5 Pt. Comp. Bottom Sample Point Location (~250 sq. ft.)

23 Ft.

20 Ft.

5 PT Comp. Bottom - 2 @ 10'

5 PT Comp. Bottom - 1 @ 10'

Approximate final extent of impacted soil excavation.

N

50 ft

Google Earth

© 2020 Google

DATE: February 2021

DESIGNED BY : KN

DRAWN BY: KN

TASMAN GEOSCIENCES

Tasman Geosciences, Inc.
2620 W. Marland Blvd.
Hobbs, NM 88240

DCP Midstream
11117 Line Leak 3
GPS: 32.297579, -104.255423
UL “P”, Section 14, Township 23 South, Range 26 East
Eddy County, New Mexico

Soil Confirmation
Sample Location Map
(Excavation Bottom)

Figure 3A

Sample ID	Date Sampled	PID Readings (ppm)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH - GRO (mg/kg)	TPH - DRO (mg/kg)	TPH - EXT DRO (mg/kg)	TPH [3] GRO/DRO/EXT DRO (mg/kg)	Chloride (mg/kg)
5 PT Comp. North Wall	1/29/2021	30.9	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
5 PT Comp. East Wall	1/29/2021	5.0	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	32
5 PT Comp. South Wall	1/29/2021	17.5	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
5 PT Comp. West Wall	1/29/2021	11.8	<0.050	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
NMOCD Action Levels - Soil (mg/kg) [1]			10	50	-	-	-	100	600

LEGEND:

- Excavation Depth at ~10 Ft. bgs (~460 sq.ft.)
- 11117 6” Steel Pipeline
- 5 Pt. Comp. Sidewall Sample Point Location (~250 sq. ft.)

5 PT Comp. North Wall

5 PT Comp. West Wall

23 Ft.

20 Ft.

5 PT Comp. East Wall

Approximate final extent of impacted soil excavation.

5 PT Comp. South Wall

Google Earth

© 2020 Google

N

50 ft

DATE: February 2021

DESIGNED BY : KN

DRAWN BY: KN

TASMAN GEOSCIENCES

Tasman Geosciences, Inc.
2620 W. Marland Blvd.
Hobbs, NM 88240

DCP Midstream
11117 Line Leak 3
GPS: 32.297579, -104.255423
UL “P”, Section 14, Township 23 South, Range 26 East
Eddy County, New Mexico

Soil Confirmation
Sample Location Map
(Excavation Sidewalls)

Figure 3B

Appendices

Appendix A

Depth to Groundwater Results

New Mexico Office of the State Engineer
Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01572	C	ED	3	3	3	13	23S	26E	570245	3573761*	172	215		
C 02040	C	ED	3	3	3	13	23S	26E	570245	3573761*	172	264	185	79
C 02658 POD2	C	ED	3	3	3	13	23S	26E	570245	3573761*	172	252	211	41
C 01733	C	ED	1	3	3	13	23S	26E	570245	3573961*	329	247	197	50
C 01743	C	ED	1	3	3	13	23S	26E	570245	3573961*	329	250	196	54
C 02442	C	ED	1	3	3	13	23S	26E	570245	3573961*	329	276	200	76
C 04348 POD1	C	ED	3	1	3	13	23S	26E	570224	3574192	542	260		
C 03348	C	ED	1	3	3	13	23S	26E	570606	3573938	573	240	200	40
C 01832	C	ED		1	3	13	23S	26E	570345	3574268*	651	250	200	50
C 01672	C	ED		4	3	13	23S	26E	570750	3573861*	677	280	80	200
C 03323 POD1	C	ED	3	4	2	14	23S	26E	569909	3574479	837	275	205	70
C 01905	C	ED		2	3	13	23S	26E	570749	3574267*	884	300		
C 03071	C	ED		2	3	13	23S	26E	570749	3574267*	884	250	204	46
C 02052	C	ED	3	3	1	13	23S	26E	570242	3574573*	919	290		
C 04201 POD1	C	ED	4	4	2	14	23S	26E	569626	3574546	1002	255	110	145
C 01626	C	ED		3	1	13	23S	26E	570343	3574674*	1038	246	198	48
C 01822	C	ED		3	1	13	23S	26E	570343	3574674*	1038	258	200	58
C 01822 POD2	C	ED		3	1	13	23S	26E	570343	3574674*	1038	228	212	16
C 01857	C	ED				13	23S	26E	570949	3574465*	1165	255	197	58
C 02232	C	ED				13	23S	26E	570949	3574465*	1165	240	200	40
C 02484 EXPL	CUB	ED		4	1	13	23S	26E	570747	3574672*	1196	280	175	105
C 01968	C	ED	1	4	1	13	23S	26E	570646	3574771*	1233	247	200	47
C 02059	C	ED			1	13	23S	26E	570544	3574875*	1289	282	190	92
C 01851	C	ED		1	1	13	23S	26E	570341	3575080*	1436	258	207	51
C 02260	C	ED		1	1	13	23S	26E	570341	3575080*	1436	247	218	29
C 02537	C	ED		1	1	13	23S	26E	570341	3575080*	1436	280	210	70

***UTM location was derived from PLSS - see Help**

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01825	C	ED		3	2	13	23S	26E	571151	3574670*	1453	243	221	22
C 01867	C	ED	1	1	1	13	23S	26E	570240	3575179*	1521	250	212	38
C 01762	C	ED		2	1	13	23S	26E	570746	3575078*	1553	260	191	69
C 01762 POD2	C	ED		2	1	13	23S	26E	570746	3575078*	1553	250	203	47
C 01765	C	ED		2	1	13	23S	26E	570746	3575078*	1553	350		
C 02444	C	ED		2	1	13	23S	26E	570746	3575078*	1553	250	177	73
C 02205	C	ED	1	2	1	13	23S	26E	570645	3575177*	1607	240	210	30
C 03396 POD1	C	ED	3	3	3	12	23S	26E	570231	3575341	1681	280	220	60
C 01642	C	ED	2	2	1	13	23S	26E	570845	3575177*	1685	303		
C 01015	C	ED	4	4	4	15	23S	26E	568408	3573714*	1694	318	245	73
C 03238	C	ED	4	4	4	15	23S	26E	568408	3573714*	1694	323	245	78

Average Depth to Water: **197 feet**

Minimum Depth: **80 feet**

Maximum Depth: **245 feet**

Record Count: 37

UTMNAD83 Radius Search (in meters):

Easting (X): 570102 **Northing (Y):** 3573664 **Radius:** 1700

***UTM location was derived from PLSS - see Help**

Appendix B

Laboratory Analytical Reports

CARDINAL Laboratories

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

January 14, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 3

Enclosed are the results of analyses for samples received by the laboratory on 01/12/21 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SOIL BORE 1 @ 5'	H210067-01	Soil	12-Jan-21 09:00	12-Jan-21 16:35
SOIL BORE 1 @ 10'	H210067-02	Soil	12-Jan-21 09:10	12-Jan-21 16:35
SOIL BORE 1 @ 15'	H210067-03	Soil	12-Jan-21 09:15	12-Jan-21 16:35
SOIL BORE 1 @ 20'	H210067-04	Soil	12-Jan-21 09:20	12-Jan-21 16:35

01/14/21 - Client added analysis to samples -03 and -04 on 01/13/21. This is the revised report with the additional analysis. This report will replace the one sent on 01/13/21.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

SOIL BORE 1 @ 5'

H210067-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*94.8 %*	*73.3-129*		*1011205*	MS	*13-Jan-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	**243**		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	**115**		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*76.8 %*	*44.3-144*		*1011301*	MS	*13-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*83.3 %*	*42.2-156*		*1011301*	MS	*13-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

SOIL BORE 1 @ 10'

H210067-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	1011302	AC	13-Jan-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										**S-04**
Benzene*	<0.050		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Toluene*	**0.248**		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Ethylbenzene*	**0.335**		0.050	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total Xylenes*	**1.61**		0.150	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Total BTEX	**2.20**		0.300	mg/kg	50	1011205	MS	13-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*131 %*	*73.3-129*		*1011205*	MS	*13-Jan-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	**15.3**		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
DRO >C10-C28*	**39.0**		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	**11.7**		10.0	mg/kg	1	1011301	MS	13-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*82.4 %*	*44.3-144*		*1011301*	MS	*13-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*76.1 %*	*42.2-156*		*1011301*	MS	*13-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

SOIL BORE 1 @ 15'

H210067-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**64.0**		16.0	mg/kg	4	1011302	GM	14-Jan-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*73.3-129*		*1011308*	MS	*13-Jan-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1011307	MS	13-Jan-21	8015B	
DRO >C10-C28*	**11.0**		10.0	mg/kg	1	1011307	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011307	MS	13-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*89.1 %*	*44.3-144*		*1011307*	MS	*13-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*96.3 %*	*42.2-156*		*1011307*	MS	*13-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

SOIL BORE 1 @ 20'

H210067-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	1011302	GM	14-Jan-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1011308	MS	13-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*73.3-129*		*1011308*	MS	*13-Jan-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1011307	MS	13-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1011307	MS	13-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1011307	MS	13-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*89.0 %*	*44.3-144*		*1011307*	MS	*13-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*92.1 %*	*42.2-156*		*1011307*	MS	*13-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1011302 - 1:4 DI Water										
Blank (1011302-BLK1)				Prepared & Analyzed: 13-Jan-21						
Chloride	ND	16.0	mg/kg							
LCS (1011302-BS1)				Prepared & Analyzed: 13-Jan-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1011302-BSD1)				Prepared & Analyzed: 13-Jan-21						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1011205 - Volatiles										
Blank (1011205-BLK1)				Prepared: 12-Jan-21 Analyzed: 13-Jan-21						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*97.0*	*73.3-129*			
LCS (1011205-BS1)				Prepared: 12-Jan-21 Analyzed: 13-Jan-21						
Benzene	2.01	0.050	mg/kg	2.00		101	72.2-131			
Toluene	1.99	0.050	mg/kg	2.00		99.7	71.7-126			
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.4	68.9-126			
Total Xylenes	5.65	0.150	mg/kg	6.00		94.1	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0471*		mg/kg	*0.0500*		*94.2*	*73.3-129*			
LCS Dup (1011205-BSD1)				Prepared: 12-Jan-21 Analyzed: 13-Jan-21						
Benzene	2.14	0.050	mg/kg	2.00		107	72.2-131	6.08	14.6	
Toluene	2.12	0.050	mg/kg	2.00		106	71.7-126	6.23	17.4	
Ethylbenzene	2.05	0.050	mg/kg	2.00		103	68.9-126	6.23	18.9	
Total Xylenes	5.99	0.150	mg/kg	6.00		99.9	71.4-125	5.91	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0481*		mg/kg	*0.0500*		*96.1*	*73.3-129*			
Batch 1011308 - Volatiles										
Blank (1011308-BLK1)				Prepared & Analyzed: 13-Jan-21						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*ND*		mg/kg	*0.0500*		*99.7*	*73.3-129*			

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CARDINAL Laboratories

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1011308 - Volatiles										
LCS (1011308-BS1)				Prepared & Analyzed: 13-Jan-21						
Benzene	2.01	0.050	mg/kg	2.00		100	72.2-131			
Toluene	2.01	0.050	mg/kg	2.00		100	71.7-126			
Ethylbenzene	1.96	0.050	mg/kg	2.00		97.9	68.9-126			
Total Xylenes	5.75	0.150	mg/kg	6.00		95.9	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0479*		mg/kg	*0.0500*		*95.7*	*73.3-129*			
LCS Dup (1011308-BSD1)				Prepared & Analyzed: 13-Jan-21						
Benzene	2.00	0.050	mg/kg	2.00		99.9	72.2-131	0.534	14.6	
Toluene	1.99	0.050	mg/kg	2.00		99.5	71.7-126	0.875	17.4	
Ethylbenzene	1.94	0.050	mg/kg	2.00		97.0	68.9-126	0.915	18.9	
Total Xylenes	5.69	0.150	mg/kg	6.00		94.8	71.4-125	1.20	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0486*		mg/kg	*0.0500*		*97.3*	*73.3-129*			

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CARDINAL Laboratories

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1011301 - General Prep - Organics										
Blank (1011301-BLK1)				Prepared & Analyzed: 13-Jan-21						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*45.0*		mg/kg	*50.0*		*90.0*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*41.9*		mg/kg	*50.0*		*83.8*	*42.2-156*			
LCS (1011301-BS1)				Prepared & Analyzed: 13-Jan-21						
GRO C6-C10	231	10.0	mg/kg	200		116	83.7-135			
DRO >C10-C28	221	10.0	mg/kg	200		110	80.4-133			
Total TPH C6-C28	452	10.0	mg/kg	400		113	83.1-133			
Surrogate: 1-Chlorooctane	*47.2*		mg/kg	*50.0*		*94.5*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*43.3*		mg/kg	*50.0*		*86.6*	*42.2-156*			
LCS Dup (1011301-BSD1)				Prepared & Analyzed: 13-Jan-21						
GRO C6-C10	221	10.0	mg/kg	200		110	83.7-135	4.52	13.8	
DRO >C10-C28	214	10.0	mg/kg	200		107	80.4-133	2.99	22.1	
Total TPH C6-C28	435	10.0	mg/kg	400		109	83.1-133	3.77	17.7	
Surrogate: 1-Chlorooctane	*43.9*		mg/kg	*50.0*		*87.9*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*42.1*		mg/kg	*50.0*		*84.1*	*42.2-156*			
Batch 1011307 - General Prep - Organics										
Blank (1011307-BLK1)				Prepared & Analyzed: 13-Jan-21						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*47.0*		mg/kg	*50.0*		*94.1*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*44.5*		mg/kg	*50.0*		*89.0*	*42.2-156*			

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CARDINAL Laboratories

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 14-Jan-21 10:24

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1011307 - General Prep - Organics										
LCS (1011307-BS1)				Prepared & Analyzed: 13-Jan-21						
GRO C6-C10	226	10.0	mg/kg	200		113	83.7-135			
DRO >C10-C28	223	10.0	mg/kg	200		111	80.4-133			
Total TPH C6-C28	448	10.0	mg/kg	400		112	83.1-133			
Surrogate: 1-Chlorooctane	*50.9*		mg/kg	*50.0*		*102*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*50.5*		mg/kg	*50.0*		*101*	*42.2-156*			
LCS Dup (1011307-BSD1)				Prepared & Analyzed: 13-Jan-21						
GRO C6-C10	227	10.0	mg/kg	200		114	83.7-135	0.558	13.8	
DRO >C10-C28	224	10.0	mg/kg	200		112	80.4-133	0.426	22.1	
Total TPH C6-C28	451	10.0	mg/kg	400		113	83.1-133	0.493	17.7	
Surrogate: 1-Chlorooctane	*49.1*		mg/kg	*50.0*		*98.1*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*48.0*		mg/kg	*50.0*		*95.9*	*42.2-156*			

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Celey D. Keene, Lab Director/Quality Manager

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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

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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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tasman Geosciences	**BILL TO**
Project Manager: Kyle Norman	**P.O. #:**
Address: 2620 W. Marland Blvd.	**Company:** Tasman Geo
City: Hobbs **State:** NM **Zip:** 88240	**Attn:** Kyle Norman
Phone #: 575-318-5017 **Fax #:**	**Address:** 2620 W. Marland
Project #: NRM2016955206 **Project Owner:** DCP Midstream	**City:** Hobbs
Project Name: 11117 Line Leak 3	**State:** NM **Zip:** 88240
Project Location:	**Phone #:** 575-318-5017
Sampler Name: Becky Griffin	**Fax #:**

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
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		HOLD	RUSH			
H211067																									
1	Soil Bore 1 @ 5'		1			✓					✓		1/12/21	900	✓	✓	✓						✓		
2	Soil Bore 1 @ 10'		1			✓					✓		1/12/21	910	✓	✓	✓						✓		
3	Soil Bore 1 @ 15'		1			✓					✓		1/12/21	915	✓	✓	✓					✓	7 added 1/13/21		
4	Soil Bore 1 @ 20'		1			✓					✓		1/12/21	920	✓	✓	✓					✓			

Relinquished By: Becky Griffin	**Date:** 1-12-21 **Time:** 1630	**Received By:** Tamara Oldaker	**Phone Result:** ☐ Yes ☑ No **Add'l Phone #:**
Relinquished By: T.O.	**Date:** **Time:**	**Received By:**	**Fax Result:** ☐ Yes ☑ No **Add'l Fax #:**
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.7° #113	**Sample Condition** Cool: ☑ Yes ☐ No Intact: ☑ Yes ☐ No	**CHECKED BY: (Initials)** T.O.	**REMARKS:** email results: knorman@tasman-geo.com; bgriffin@tasman-geo.com Weathers, Stephen W <SWWeathers@dcpmidstream.com>

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

CARDINAL Laboratories

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

February 02, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 3

Enclosed are the results of analyses for samples received by the laboratory on 01/29/21 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5 PT COMP BOTTOM - 1 @ 10'	H210223-01	Soil	29-Jan-21 00:00	29-Jan-21 14:40
5 PT COMP BOTTOM - 2 @ 10'	H210223-02	Soil	29-Jan-21 00:00	29-Jan-21 14:40
5 PT COMP NORTH WALL	H210223-03	Soil	29-Jan-21 00:00	29-Jan-21 14:40
5 PT COMP EAST WALL	H210223-04	Soil	29-Jan-21 00:00	29-Jan-21 14:40
5 PT COMP SOUTH WALL	H210223-05	Soil	29-Jan-21 00:00	29-Jan-21 14:40
5 PT COMP WEST WALL	H210223-06	Soil	29-Jan-21 00:00	29-Jan-21 14:40

02/02/21 - BTEX and Chloride added to samples on 02/01/21. This is the revised report and will replace the one sent on 02/01/21.

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

5 PT COMP BOTTOM - 1 @ 10'

H210223-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.9 %*	*73.3-129*		*1020113*	MS	*01-Feb-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*100 %*	*44.3-144*		*1012901*	MS	*29-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*106 %*	*42.2-156*		*1012901*	MS	*29-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

5 PT COMP BOTTOM - 2 @ 10'

H210223-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**16.0**		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*98.8 %*	*73.3-129*		*1020113*	MS	*01-Feb-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012901	MS	29-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*44.3-144*		*1012901*	MS	*29-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*105 %*	*42.2-156*		*1012901*	MS	*29-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

5 PT COMP NORTH WALL

H210223-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*73.3-129*		*1020113*	MS	*01-Feb-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	QR-03
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*100 %*	*44.3-144*		*1012909*	MS	*29-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*105 %*	*42.2-156*		*1012909*	MS	*29-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

5 PT COMP EAST WALL

H210223-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*73.3-129*		*1020113*	MS	*01-Feb-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*101 %*	*44.3-144*		*1012909*	MS	*29-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*106 %*	*42.2-156*		*1012909*	MS	*29-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

5 PT COMP SOUTH WALL

H210223-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*101 %*	*73.3-129*		*1020113*	MS	*01-Feb-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*99.3 %*	*44.3-144*		*1012909*	MS	*29-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*104 %*	*42.2-156*		*1012909*	MS	*29-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

5 PT COMP WEST WALL

H210223-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	<16.0		16.0	mg/kg	4	1020118	AC	01-Feb-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1020113	MS	01-Feb-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*99.7 %*	*73.3-129*		*1020113*	MS	*01-Feb-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012909	MS	29-Jan-21	8015B	
Surrogate: 1-Chlorooctane			*95.0 %*	*44.3-144*		*1012909*	MS	*29-Jan-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*99.0 %*	*42.2-156*		*1012909*	MS	*29-Jan-21*	*8015B*	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1020118 - 1:4 DI Water										
Blank (1020118-BLK1)				Prepared & Analyzed: 01-Feb-21						
Chloride	ND	16.0	mg/kg							
LCS (1020118-BS1)				Prepared & Analyzed: 01-Feb-21						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (1020118-BSD1)				Prepared & Analyzed: 01-Feb-21						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1020113 - Volatiles										
Blank (1020113-BLK1)				Prepared & Analyzed: 01-Feb-21						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0503*		mg/kg	*0.0500*		*101*	*73.3-129*			
LCS (1020113-BS1)				Prepared & Analyzed: 01-Feb-21						
Benzene	2.24	0.050	mg/kg	2.00		112	72.2-131			
Toluene	2.18	0.050	mg/kg	2.00		109	71.7-126			
Ethylbenzene	2.15	0.050	mg/kg	2.00		107	68.9-126			
Total Xylenes	6.31	0.150	mg/kg	6.00		105	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0490*		mg/kg	*0.0500*		*98.0*	*73.3-129*			
LCS Dup (1020113-BSD1)				Prepared & Analyzed: 01-Feb-21						
Benzene	2.13	0.050	mg/kg	2.00		106	72.2-131	5.45	14.6	
Toluene	2.07	0.050	mg/kg	2.00		104	71.7-126	5.03	17.4	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	68.9-126	4.86	18.9	
Total Xylenes	6.03	0.150	mg/kg	6.00		100	71.4-125	4.55	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0490*		mg/kg	*0.0500*		*98.0*	*73.3-129*			

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1012901 - General Prep - Organics										
Blank (1012901-BLK1)				Prepared & Analyzed: 29-Jan-21						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*42.3*		mg/kg	*50.0*		*84.6*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*45.5*		mg/kg	*50.0*		*91.0*	*42.2-156*			
LCS (1012901-BS1)				Prepared & Analyzed: 29-Jan-21						
GRO C6-C10	218	10.0	mg/kg	200		109	83.7-135			
DRO >C10-C28	211	10.0	mg/kg	200		105	80.4-133			
Total TPH C6-C28	429	10.0	mg/kg	400		107	83.1-133			
Surrogate: 1-Chlorooctane	*50.6*		mg/kg	*50.0*		*101*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*52.3*		mg/kg	*50.0*		*105*	*42.2-156*			
LCS Dup (1012901-BSD1)				Prepared & Analyzed: 29-Jan-21						
GRO C6-C10	233	10.0	mg/kg	200		116	83.7-135	6.50	13.8	
DRO >C10-C28	221	10.0	mg/kg	200		110	80.4-133	4.66	22.1	
Total TPH C6-C28	454	10.0	mg/kg	400		113	83.1-133	5.60	17.7	
Surrogate: 1-Chlorooctane	*50.1*		mg/kg	*50.0*		*100*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*52.2*		mg/kg	*50.0*		*104*	*42.2-156*			
Batch 1012909 - General Prep - Organics										
Blank (1012909-BLK1)				Prepared & Analyzed: 29-Jan-21						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*44.4*		mg/kg	*50.0*		*88.9*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*47.8*		mg/kg	*50.0*		*95.6*	*42.2-156*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 3 Project Number: NRM2016955206 Project Manager: KYLE NORMAN Fax To:	Reported: 02-Feb-21 09:49

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1012909 - General Prep - Organics										
LCS (1012909-BS1)				Prepared & Analyzed: 29-Jan-21						
GRO C6-C10	220	10.0	mg/kg	200		110	83.7-135			
DRO >C10-C28	217	10.0	mg/kg	200		108	80.4-133			
Total TPH C6-C28	436	10.0	mg/kg	400		109	83.1-133			
Surrogate: 1-Chlorooctane	*52.7*		mg/kg	*50.0*		*105*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*56.5*		mg/kg	*50.0*		*113*	*42.2-156*			
LCS Dup (1012909-BSD1)				Prepared & Analyzed: 29-Jan-21						
GRO C6-C10	242	10.0	mg/kg	200		121	83.7-135	9.78	13.8	
DRO >C10-C28	236	10.0	mg/kg	200		118	80.4-133	8.43	22.1	
Total TPH C6-C28	478	10.0	mg/kg	400		119	83.1-133	9.11	17.7	
Surrogate: 1-Chlorooctane	*53.8*		mg/kg	*50.0*		*108*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*55.4*		mg/kg	*50.0*		*111*	*42.2-156*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Rush Rush!

		BILL TO	
Company Name:	Tasman Geosciences, LLC	P.O. #:	
Project Manager:	Kyle Norman	Company:	Tasman Geo
Address:	2620 W Marland Blvd	Attn:	Kyle Norman
City:	Hobbs	Address:	2620 W. Marland
State:	NM	City:	Hobbs
Zip:	88240	State:	NM
Phone #:	575-318-5017	Zip:	88240
Fax #:		Phone #:	575-318-5017
Project #:	NRM 2016955206	Fax #:	
Project Owner:	DCP Midstream		
Project Name:	DCP		
Project Location:	11117 Line Leak 3		
Sampler Name:	Becky Griffin		

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST										
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 added 2/1	TPH 8015 M	BTEX added 2/1	Texas TPH	CompleteCations/Anions	TDS		RUSH	HOLD			
H210223																										
1	5 PT Comp. Bottom-1 @ 10'	C	1			✓					✓		1/29/21		X	✓	X					✓				
2	5 PT Comp. Bottom-2 @ 10'	C	1			✓					✓		1/29/21			✓						✓				
3	5 PT Comp. North Wall	C	1			✓					✓		1/29/21			✓						✓				
4	5 PT Comp East Wall	C	1			✓					✓		1/29/21			✓						✓				
5	5 PT Comp. South Wall	C	1			✓					✓		1/29/21			✓						✓				
6	5 PT Comp. West Wall	C	1			✓					✓		1/29/21			✓						✓				

Relinquished By: Becky Griffin	Date: 1-29-21	Received By: Tamara Oldaker	Phone Result: ☐ Yes ☑ No Add'l Phone #:
	Time: 1440		Fax Result: ☐ Yes ☑ No Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS: email results to: knorman@tasman-geo.com, bgriffin@tasman-geo.com, SWWeathers@dcpmidstream.com
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 2.1c #113	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials) TO	

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

CARDINAL Laboratories

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

February 22, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 1-3

Enclosed are the results of analyses for samples received by the laboratory on 02/08/21 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 22-Feb-21 10:24

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
5 PT COMP IMPORTED TOP SOIL	H210314-01	Soil	08-Feb-21 00:00	08-Feb-21 15:00

02/22/21 - Client added BTEX and Chloride on 02/19/21. This is the revised report and will replace the one sent on 02/09/21.

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 22-Feb-21 10:24

5 PT COMP IMPORTED TOP SOIL

H210314-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**32.0**		16.0	mg/kg	4	1021905	GM	22-Feb-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1021902	MS	19-Feb-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*102 %*	*73.3-129*		*1021902*	MS	*19-Feb-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1020824	MS	09-Feb-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1020824	MS	09-Feb-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1020824	MS	09-Feb-21	8015B	
Surrogate: 1-Chlorooctane			*98.2 %*	*44.3-144*		*1020824*	MS	*09-Feb-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*102 %*	*42.2-156*		*1020824*	MS	*09-Feb-21*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 22-Feb-21 10:24

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1021905 - 1:4 DI Water										
Blank (1021905-BLK1)				Prepared & Analyzed: 19-Feb-21						
Chloride	ND	16.0	mg/kg							
LCS (1021905-BS1)				Prepared & Analyzed: 19-Feb-21						
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (1021905-BSD1)				Prepared & Analyzed: 19-Feb-21						
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 22-Feb-21 10:24

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1021902 - Volatiles										
Blank (1021902-BLK1)				Prepared & Analyzed: 19-Feb-21						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0505*		mg/kg	*0.0500*		*101*	*73.3-129*			
LCS (1021902-BS1)				Prepared & Analyzed: 19-Feb-21						
Benzene	2.09	0.050	mg/kg	2.00		105	72.2-131			
Toluene	2.07	0.050	mg/kg	2.00		103	71.7-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	68.9-126			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0489*		mg/kg	*0.0500*		*97.8*	*73.3-129*			
LCS Dup (1021902-BSD1)				Prepared & Analyzed: 19-Feb-21						
Benzene	2.17	0.050	mg/kg	2.00		108	72.2-131	3.61	14.6	
Toluene	2.15	0.050	mg/kg	2.00		108	71.7-126	4.14	17.4	
Ethylbenzene	2.09	0.050	mg/kg	2.00		104	68.9-126	3.95	18.9	
Total Xylenes	6.07	0.150	mg/kg	6.00		101	71.4-125	3.93	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0495*		mg/kg	*0.0500*		*99.1*	*73.3-129*			

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 22-Feb-21 10:24

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1020824 - General Prep - Organics										
Blank (1020824-BLK1)				Prepared & Analyzed: 08-Feb-21						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*46.8*		mg/kg	*50.0*		*93.7*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*47.3*		mg/kg	*50.0*		*94.6*	*42.2-156*			
LCS (1020824-BS1)				Prepared & Analyzed: 08-Feb-21						
GRO C6-C10	225	10.0	mg/kg	200		113	83.7-135			
DRO >C10-C28	227	10.0	mg/kg	200		113	80.4-133			
Total TPH C6-C28	452	10.0	mg/kg	400		113	83.1-133			
Surrogate: 1-Chlorooctane	*49.3*		mg/kg	*50.0*		*98.7*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*47.2*		mg/kg	*50.0*		*94.4*	*42.2-156*			
LCS Dup (1020824-BSD1)				Prepared & Analyzed: 08-Feb-21						
GRO C6-C10	233	10.0	mg/kg	200		117	83.7-135	3.43	13.8	
DRO >C10-C28	231	10.0	mg/kg	200		115	80.4-133	1.66	22.1	
Total TPH C6-C28	464	10.0	mg/kg	400		116	83.1-133	2.55	17.7	
Surrogate: 1-Chlorooctane	*51.4*		mg/kg	*50.0*		*103*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*49.9*		mg/kg	*50.0*		*99.8*	*42.2-156*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL LABORATORIES

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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: Tasman Geosciences	**BILL TO**
Project Manager: Kyle Norman	**P.O. #:**
Address: 2620 W. Marland Blvd.	**Company:** Tasman Geo
City: Hobbs **State:** NM **Zip:** 88240	**Attn:** Kyle Norman
Phone #: 575-318-5017 **Fax #:**	**Address:** 2620 W. Marland
Project #: **Project Owner:** DCP Midstream	**City:** Hobbs
Project Name: 11117 Line Leak 1-3	**State:** NM **Zip:** 88240
Project Location:	**Phone #:** 575-318-5017
Sampler Name: Frank Conejo Jr.	**Fax #:**

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST										
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		HOLD	RUSH				
H210314																										
1	5PT Comp. Imported Top Soil		1			✓					✓		2/8/21		✓	✓	✓		added 2/19/21 J.O.			✓				

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 liable for incidental or consequental 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: Frank Conejo	**Date:** 2/8/21 **Time:** 1500	**Received By:** Tamara Oldaker	
Relinquished By:	**Date:** **Time:**	**Received By:**	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 8.3°C #113	**Sample Condition** Cool: ☐ Yes ☑ No Intact: ☐ Yes ☐ No	**CHECKED BY: (Initials)** JO	

Phone Result: ☐ Yes ☑ No **Add'l Phone #:**
Fax Result: ☐ Yes ☑ No **Add'l Fax #:**
REMARKS:

email results: knorman@tasman-geo.com; bgriffin@tasman-geo.com, SWWeathers@dcpmidstream.com

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

CARDINAL Laboratories

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

February 12, 2021

KYLE NORMAN

TASMAN GEOSCIENCES

6899 PECOS ST. UNIT C

DENVER, CO 80221

RE: DCP - 11117 LINE LEAK 1-3

Enclosed are the results of analyses for samples received by the laboratory on 02/10/21 13:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 12-Feb-21 08:55

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
IMPORTED BACKFILL	H210357-01	Soil	10-Feb-21 00:00	10-Feb-21 13:30

02/12/21 - Client added BTEX and Chloride on 02/11/21. This is the revised report and will replace the one sent on 02/11/21.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 12-Feb-21 08:55

IMPORTED BACKFILL

H210357-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Cardinal Laboratories										
Inorganic Compounds										
Chloride	**48.0**		16.0	mg/kg	4	1021103	GM	11-Feb-21	4500-Cl-B	
Volatile Organic Compounds by EPA Method 8021										
Benzene*	<0.050		0.050	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Toluene*	<0.050		0.050	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	1021106	MS	11-Feb-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			*100 %*	*73.3-129*		*1021106*	MS	*11-Feb-21*	*8021B*	
Petroleum Hydrocarbons by GC FID										
GRO C6-C10*	<10.0		10.0	mg/kg	1	1021013	MS	11-Feb-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1021013	MS	11-Feb-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1021013	MS	11-Feb-21	8015B	
Surrogate: 1-Chlorooctane			*80.8 %*	*44.3-144*		*1021013*	MS	*11-Feb-21*	*8015B*	
Surrogate: 1-Chlorooctadecane			*77.4 %*	*42.2-156*		*1021013*	MS	*11-Feb-21*	*8015B*	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 12-Feb-21 08:55

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1021103 - 1:4 DI Water										
Blank (1021103-BLK1)				Prepared & Analyzed: 11-Feb-21						
Chloride	ND	16.0	mg/kg							
LCS (1021103-BS1)				Prepared & Analyzed: 11-Feb-21						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1021103-BSD1)				Prepared & Analyzed: 11-Feb-21						
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 12-Feb-21 08:55

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1021106 - Volatiles										
Blank (1021106-BLK1)				Prepared & Analyzed: 11-Feb-21						
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	*0.0504*		mg/kg	*0.0500*		*101*	*73.3-129*			
LCS (1021106-BS1)				Prepared & Analyzed: 11-Feb-21						
Benzene	2.08	0.050	mg/kg	2.00		104	72.2-131			
Toluene	2.03	0.050	mg/kg	2.00		102	71.7-126			
Ethylbenzene	1.99	0.050	mg/kg	2.00		99.4	68.9-126			
Total Xylenes	5.84	0.150	mg/kg	6.00		97.3	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	*0.0481*		mg/kg	*0.0500*		*96.2*	*73.3-129*			
LCS Dup (1021106-BSD1)				Prepared & Analyzed: 11-Feb-21						
Benzene	2.17	0.050	mg/kg	2.00		109	72.2-131	4.64	14.6	
Toluene	2.14	0.050	mg/kg	2.00		107	71.7-126	5.29	17.4	
Ethylbenzene	2.09	0.050	mg/kg	2.00		105	68.9-126	5.16	18.9	
Total Xylenes	6.13	0.150	mg/kg	6.00		102	71.4-125	4.83	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	*0.0492*		mg/kg	*0.0500*		*98.4*	*73.3-129*			

Cardinal Laboratories *=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

Analytical Results For:

TASMAN GEOSCIENCES 6899 PECOS ST. UNIT C DENVER CO, 80221	Project: DCP - 11117 LINE LEAK 1-3 Project Number: NOT GIVEN Project Manager: KYLE NORMAN Fax To:	Reported: 12-Feb-21 08:55

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1021013 - General Prep - Organics										
Blank (1021013-BLK1)				Prepared: 10-Feb-21 Analyzed: 11-Feb-21						
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	*42.2*		mg/kg	*50.0*		*84.4*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*37.9*		mg/kg	*50.0*		*75.7*	*42.2-156*			
LCS (1021013-BS1)				Prepared & Analyzed: 10-Feb-21						
GRO C6-C10	225	10.0	mg/kg	200		112	83.7-135			
DRO >C10-C28	225	10.0	mg/kg	200		113	80.4-133			
Total TPH C6-C28	450	10.0	mg/kg	400		113	83.1-133			
Surrogate: 1-Chlorooctane	*44.9*		mg/kg	*50.0*		*89.8*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*42.4*		mg/kg	*50.0*		*84.9*	*42.2-156*			
LCS Dup (1021013-BSD1)				Prepared & Analyzed: 10-Feb-21						
GRO C6-C10	226	10.0	mg/kg	200		113	83.7-135	0.508	13.8	
DRO >C10-C28	222	10.0	mg/kg	200		111	80.4-133	1.47	22.1	
Total TPH C6-C28	448	10.0	mg/kg	400		112	83.1-133	0.479	17.7	
Surrogate: 1-Chlorooctane	*44.5*		mg/kg	*50.0*		*89.0*	*44.3-144*			
Surrogate: 1-Chlorooctadecane	*41.6*		mg/kg	*50.0*		*83.2*	*42.2-156*			

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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

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

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Tasman Geosciences	BILL TO
Project Manager: Kyle Norman	P.O. #:
Address: 2620 W. Marland Blvd.	Company: Tasman Geo
City: Hobbs State: NM Zip: 88240	Attn: Kyle Norman
Phone #: 575-318-5017 Fax #:	Address: 2620 W. Marland
Project #: Project Owner: DCP Midstream	City: Hobbs
Project Name: 11117 Line Leak 1-3	State: NM Zip: 88240
Project Location:	Phone #: 575-318-5017
Sampler Name: Miguel Cardona Jr.	Fax #:

FOR LAB USE ONLY				MATRIX						PRESERV.			SAMPLING		ANALYSIS REQUEST										
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		HOLD	RUSH			
H210357-1	Imported Backfill		1			✔					✔		2/10/21		X	✔	X						✔		

Added 2/11/21 Rush

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 liable for incidental or consequental 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: Miguel Cardona Jr.	Date: 2/3/2021	Received By:		Phone Result: ☐ Yes ☑ No	Add'l Phone #:
Relinquished By:	Time: 0800			Fax Result: ☐ Yes ☑ No	Add'l Fax #:
	Date: 2-10-21	Received By: Tamara Oldaker		REMARKS:	
Delivered By: (Circle One)	Time: 1330	Sample Condition Cool Intact	CHECKED BY: (Initials)	email results: knorman@tasman-geo.com; bgriffin@tasman-geo.com, SWWeathers@dcpmidstream.com	
Sampler - UPS - Bus - Other:	4.8°c #113	☑ Yes ☑ Yes ☐ No ☐ No	TO		

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

Appendix C

Photo Documentation

DCP Midstream

11117 Leak Location 3

Excavating Release

Excavating Release

DCP Midstream

11117 Leak Location 3

Excavation

Excavation

DCP Midstream

11117 Leak Location 3

Backfilled Excavation

Appendix D

Initial C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District Office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsibly Party	DCP Operating Company, LP	OGRID	36785
Contact Name	Stephen W Weathers	Contact Telephone	303-605-1718
Contact Email	SWWeathers@dcpmidstream.com	Incident # *(assigned by OCD)*	
Contact Mailing Address	370 17th Street, Suite 2500, Denver, CO 80202		

Location of Release Source

Latitude 32.297579 Longitude -104.255423

(Nad 83 in decimal degrees to 5 decimal places)

Site Name	Natural Gas Gathering Line #11117 Leak Location 3	Site Type	6" Steel Gas Gathering Pipeline
Date Release Discovered	07/19/19	API # *(if applicable)*	

Unit Letter	Section	Township	Range	County
P	14	23S	26E	Eddy County, NM

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☑ Private *(Name:* Montclair Development Corporation

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No ☑ NA
☑ Condensate	Volume Released (bbls) Unknown	Volume Recovered (bbls) Unknown
☑ Natural Gas	Volume Released (Mcf) Unknown	Volume Recovered (Mcf) Unknown
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Released (provide units)

Cause of Release:
Seeping natural gas was discovered due to small pipeline failure (hole open under pressure). Field investigation and assessment of recent analytical data of the release estimated the volume of any associated hydrocarbon liquids was less than the NMOCD reporting thresholds (less than 5bbls). DCP is opting to submit a C-141 as a courtesy notification.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means? (phone, email, etc)?	

Initial Response

The responsible party must undertake the following actions immediatedly unless they could create a safety hazard that would result in injury

- ☑ The source of the release has been stopped.
- ☑ The impacted area has been secured to protect human health and the environment.
- ☑ Release materials have been contained via the use of berms or dikes, absorbent pads, or other containmei
- ☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been suffessfully completed or if the release occurred within a lined containment area (see 19.15.29.11 (A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project Manager

Signature: Kyle Norman Date: 6/15/2020

email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NRM2016955206
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	~197 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☒ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NRM2016955206
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project Manager

Signature: Kyle Norma Date: 9/9/2020

email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: _____ Date: _____

Form C-141
Page 5

State of New Mexico
Oil Conservation Division

Incident ID	NRM2016955206
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

☒ Detailed description of proposed remediation technique
☒ Scaled sitemap with GPS coordinates showing delineation points
☒ Estimated volume of material to be remediated
☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Kyle Norman Title: Regional Project Manager

Signature: Kyle Norman Date: 9/9/2020

email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Type text here

Appendix E

Soil Boring Log

TASMAN GEOSCIENCES

Borehole Logging Form

Boring/Well ID #: Soil Bore 1	SITE NAME: 11117 Line Location 3 NMR2016955206	CLIENT NAME: DCP Operating Company, LP
Date Started:	Location: UL "P", Sec. 14, T23S, R26E	
Date Completed:	TOC Elevation:	DTW: ~197 Ft.
Type of Drill: Air Rotary	Staff Scientist:	
Bit Size: 6"	Project Manager:	Kyle Norman
Drilling Company: HCI Drilling, Inc.		

Depth (feet)	Well Completion	Sample Type	Field CL-	PID (ppm)	Laboratory Sample	USCS	Description
Surface							
5			90	2			CALICHE - TAN
10			89	70.8			CALICHE / PECOS ALLUVAL TAN
15			89	17.9			CALICHE / PECOS ALLUVAL TAN
20			89	13			SANDY CLAY - TAN
25							
30							
35							
40							
45							
50							
55							
60							
65							
70							
75							
80							
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95							
100							
105							
110							
115							
120							

Appendix F

C-141 Closure Form

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NRM2016955206
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kyle Norman Title: Regional Project Manager

Signature: Kyle Norman Date: 3/8/2021

email: knorman@tasman-geo.com Telephone: 575-318-5017

OCD Only

Received by: Cristina Eads Date: 04/06/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Cristina Eads Date: 06/30/2021

Printed Name: Cristina Eads Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: DCP OPERATING COMPANY, LP 370 17th Street, Suite 2500 Denver, CO 80202	OGRID: 36785
	Action Number: 20068
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	6/30/2021