First Quarter 2019
Groundwater Monitoring Summary Report

Tampa Compressor Station Release
Weld County, Colorado
Remediation #9353

Prepared for:

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June 6, 2019

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1. Introduction

This report summarizes the groundwater monitoring activities conducted during the first quarter 2019 at the Tampa Compressor Station, Weld County, Colorado (Figure 1). Tasman Geosciences (Tasman) performed these activities on behalf of DCP Midstream, LP (DCP). The field activities were conducted with the purpose of monitoring groundwater flow and quality conditions in the Site subsurface. Current Site conditions were evaluated from field data and analytical laboratory results collected during the reporting period on February 14, 2019.

2. Site Location and Background

The Site is located in the southwestern quarter of the southwestern quarter of Section 31, Township 3 North, Range 63 West (approximate coordinates 40.176595 degrees north and -104.489837 degrees west), approximately 5 miles north on County Road (CR) 59 from Keenesburg, Colorado.

A petroleum hydrocarbon release originating from an underground pipeline occurred at the Site resulting in surface soil staining. DCP submitted an initial Form 19 on February 2, 2015, with a Supplemental Form 19 submitted on February 10, 2015, and the Colorado Oil and Gas Conservation Commission (COGCC) issued a spill tracking facility ID# 440770 for the Site.

Initial soil investigation activities conducted on February 2, 2015, indicated that surface soil impacts were above COGCC standards. On February 6, 2015, hydrovacuum excavation and soil removal activities of the surface stained soils to approximately 1-foot below ground surface (bgs) was conducted and approximately 14 cubic yards (yd^3) of material was removed.

On February 13, 2015, three soil borings (BH01 – BH03) were advanced and soil samples were collected from just above the saturated interval at each location. Subsequently, these soil borings were completed as monitoring wells (BH01 – BH03). On February 19, 2015, initial groundwater monitoring activities were conducted at the well locations and light non-aqueous phase liquid (LNAPL) was observed in monitoring wells BH01 and BH03 with measured thicknesses of 3.14 feet and 1.83 feet, respectively. A groundwater sample was collected from BH02 and the laboratory analytical results from that well were below COGCC Table 910-1 standards. The monitoring well locations are illustrated on Figure 2.

On April 28, 2015, a vacuum enhanced fluid recovery (EFR) event was conducted at monitoring wells BH01 and BH03 and approximately 5 barrels (bbl) of liquid was removed. Additional source area excavation activities were conducted at the site between May 6 and 22, 2015, and approximately 210 yd^3 of impacted soil and 33 bbl of groundwater were removed during excavation. Soil samples were collected during excavation activities and reported laboratory analytical results indicated impacted soil within the vadose zone remains in place in the northwest corner of the Site. Due to the existing infrastructure and off-site conditions, the impacted soil was left in place and in-situ remediation activities have been conducted. Additionally, during the May 2015 excavation activities, monitoring well BH01 was destroyed.

A Form 27 was submitted to the COGCC on November 4, 2015, and the COGCC issued remediation #9353 for the Site. In accordance with the approved work plan described in the Form 27, DCP installed an additional nine (9) temporary monitoring wells (BH04 through BH12) and replaced the destroyed BH01 with monitoring well BH01R (Figure 2). Quarterly groundwater monitoring activities were initiated at the Site in November 2015.

3. Groundwater Monitoring

This section describes the field and laboratory activities performed during the first quarter 2019 groundwater monitoring event. Quarterly monitoring activities were conducted on February 14, 2019 and included Site-wide groundwater gauging and sampling. Figure 2 illustrates the groundwater monitoring network utilized to perform these activities at the Site. LNAPL was not observed within any of the Site monitoring wells during the first quarter 2019. LNAPL was last detected during the second quarter 2017 monitoring event at BH06.

3.1 Groundwater Elevation Monitoring

Groundwater levels were measured to evaluate hydraulic characteristics and provide information regarding seasonal fluctuations in groundwater and LNAPL elevations at the Site. During the first quarter 2019, groundwater levels were measured at 12 monitoring well locations (BH01R through BH12).

Groundwater levels were measured on the north side of the well casing to the nearest 0.01-foot using an oil-water interface probe (IP). Groundwater level data were later converted to elevation (feet above mean sea level [AMSL]). Measured groundwater and LNAPL levels and the calculated groundwater elevations are presented in Table 1.

A first quarter 2019 groundwater elevation contour map, included as Figure 3, indicates that groundwater flow at the Site generally trends to the northeast which is similar to previous quarterly monitoring data. The range of groundwater elevations, average elevation change from the previous monitoring event, and the calculated average hydraulic gradient (using elevations from BH04 and BH08) at the Site are summarized in the table below.

Summary of Measured Hydraulic Parameters

	First Quarter 2019 (2/14/2019)
Maximum Elevation (Well ID)	4,795.85 (BH04)
Minimum Elevation (Well ID)	4,795.27 (BH08)
Average Change from Previous Monitoring Event – All Wells	-0.07 feet
Average Hydraulic Gradient (ft/ft) / (Well IDs)	0.007 (BH04 to BH08)

3.2 Groundwater Quality Monitoring

Subsequent to recording groundwater level measurements at each monitoring well location, groundwater samples were collected from 12 monitor wells using disposable polyethylene bailers.

A minimum of three well casing volumes of groundwater were purged from each monitor well or the water column was purged dry and allowed to sufficiently recover prior to collecting groundwater samples. Groundwater samples were placed in clean laboratory supplied containers for the selected analytical methods, packed in an ice-filled cooler and maintained at approximately four degrees Celsius (^{0}C) for transportation to the laboratory. Groundwater samples were then delivered under chain-of-custody procedures to Summit Scientific Laboratories (Summit) in Golden, Colorado for analysis.

Water quality samples were submitted for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) by United States Environmental Protection Agency (USEPA) Method 8260B.

Table 2 summarizes BTEX concentrations in groundwater samples collected during the reporting period. Historical analytical results up to and including the first quarter 2019 event are included in Appendix A and the laboratory analytical report is included in Appendix B. Analytical results are also displayed on Figure 4.

Analytical results/observations are summarized below:

- LNAPL was not measured in any of the twelve (12) monitoring well locations.
- The benzene concentrations at BH05 (11 micrograms per liter [µg/L]) and BH06 (140 µg/L) were in exceedance of the COGCC Table 910-1 standard of 5 µg/L. Benzene concentrations at the remaining well locations were below COGCC Table 910-1 standards and/or laboratory detection limits.
- Toluene concentrations were reported below the COGCC Table 910-1 standard of 560 µg/L in all of the sampled monitor well locations. However, toluene was reported above laboratory detection limits at BH06 (1.9 µg/L) and BH11 (2.7 µg/L).
- The Ethylbenzene concentration at BH11 (790 µg/L) was in exceedance of the COGCC Table 910-1 standard of 700 µg/L. Ethylbenzene concentrations at the remaining well locations were below COGCC Table 910-1 standards and/or laboratory detection limits.
- The total xylenes concentration at BH06 (2,100 µg/L) was in exceedance of the COGCC Table 910-1 standard of 1,400 µg/L. Total xylenes concentrations at the remaining well locations were below the COGCC Table 910-1 standards and/or laboratory detection limits.

4. Remediation Activities

As reported in previous quarterly summary reports, and in accordance with the approved Form 27 Remediation Work Plan, vacuum enhanced fluid recovery (EFR) remediation activities were initiated at the Site during the second quarter 2016 to mitigate dissolved phase petroleum hydrocarbons and residual

LNAPL within groundwater at the Site. EFR remediation activities have been ongoing through May 17, 2017, in which a project total of approximately 1,188 barrels (bbls) of groundwater was removed between the second quarter 2016 and second quarter 2017 EFR remediation events. Recovered groundwater through EFR remediation was subsequently transported and disposed of at the NGL Water Solutions DJ, LLC, C-3 disposal well in LaSalle, CO. Subsequent to the EFR event conducted on May 17, 2017, EFR activities were discontinued to evaluate LNAPL recovery and dissolved phase petroleum hydrocarbon concertation trends.

Due to typically elevated dissolved phase petroleum hydrocarbon concentrations reported at BH05, BH06, and BH07, an alternative remedial approach utilizing mobile air sparge (AS) and soil vapor extraction (SVE) (AS/SVE) techniques was initiated at the Site on August 29, 2017. AS compressed air was delivered to monitoring wells BH05 and BH07 concurrent with SVE at monitoring wells BH01R, BH03, BH04, and BH06 for a continuous six-hour period. AS/SVE remediation activities were performed on a weekly schedule through February 7, 2018. Average AS delivery pressures were operated at 20 pounds per square inch (psi) with air delivery flow rates ranging between 14-32 cubic feet per minute (CFM). SVE vacuum pressures were operated between 25 and 150 inches of water (in/H_20), depending on individual well performance conditions. Subsequent to the February 7, 2018 AS/SVE remedial event, AS/SVE efforts were discontinued to evaluate dissolved phase petroleum hydrocarbon concentration trends without the influence of active remediation.

5. Conclusions

Evaluation of the first quarter 2019 monitoring data provides the following observations:

- LNAPL was not observed in any of the twelve (12) monitoring well locations during the monitoring event and LNAPL has not been observed at the Site since May 2017.
- Benzene was reported above COGCC Table 910-1 standards at monitoring well locations BH05 and BH06 during the first quarter 2019.
- Ethylbenzene was reported above COGCC Table 910-1 standards at monitoring well BH11 during the first quarter 2019.
- Total xylenes concentrations were reported above COGCC Table 910-1 groundwater standards at monitoring well BH06 during the first quarter 2019.
- Generally, a decreasing trend in BTEX concentrations has been observed throughout the Site. At BH05, benzene concentrations have increased to above COGCC Table 910-1 standards following the discontinued AS/SVE remedial activities, however concentrations have remained stable and are two orders of magnitude lower than historically reported at this location.
- With the observed overall decreases in BTEX concentrations as well as LNAPL having not been observed at the Site since May 2017, Site groundwater trends indicate that remedial efforts have been effective at reducing petroleum hydrocarbon impacts in the subsurface.

6. Recommendations

Based on evaluation of data from the first quarter 2019, recommendations for future activities include:

- Continue quarterly groundwater monitoring and sampling activities at the monitoring well locations illustrated on Figure 2.
- Continue evaluation of subsurface conditions without the influence of active remediation. If groundwater concentrations continue to increase at BH05 during future monitoring events, the need for continued remediation activities will be evaluated.

Tables

TABLE 1
FIRST QUARTER 2019
SUMMARY OF GROUNDWATER ELEVATION DATA
DCP TAMPA COMPRESSOR STATION
WELD COUNTY, COLORADO

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (*) (feet amsl)	Change in Groundwater Elevation Since Previous Event [(1)] (feet)
BH01R	5/3/2018	10.45			15.45	4,805.57	4,795.12	-0.09
BH01R	8/28/2018	10.09			15.61	4,805.57	4,795.48	0.36
BH01R	11/15/2018	10.07			15.61	4,805.57	4,795.50	0.02
BH01R	2/14/2019	10.17			15.61	4,805.57	4,795.40	-0.10
BH02	5/3/2018	12.43			18.63	4,807.70	4,795.27	0.02
BH02	8/28/2018	12.05			18.48	4,807.70	4,795.65	0.38
BH02	11/15/2018	12.05			18.48	4,807.70	4,795.65	0.00
BH02	2/14/2019	12.14			18.41	4,807.70	4,795.56	-0.09
BH03	5/3/2018	9.18			16.36	4,804.31	4,795.13	0.02
BH03	8/28/2018	8.82			16.33	4,804.31	4,795.49	0.36
BH03	11/15/2018	8.81			16.33	4,804.31	4,795.50	0.01
BH03	2/14/2019	8.87			16.33	4,804.31	4,795.44	-0.06
BH04	5/3/2018	11.63			16.29	4,806.95	4,795.32	-0.17
BH04	8/28/2018	11.04			16.29	4,806.95	4,795.91	0.59
BH04	11/15/2018	11.03			16.29	4,806.95	4,795.92	0.01
BH04	2/14/2019	11.10			16.29	4,806.95	4,795.85	-0.07
BH05	5/3/2018	11.54			15.95	4,806.51	4,794.97	0.43
BH05	8/28/2018	10.88			15.67	4,806.51	4,795.63	0.66
BH05	11/15/2018	10.78			15.67	4,806.51	4,795.73	0.10
BH05	2/14/2019	10.88			15.67	4,806.51	4,795.63	-0.10
BH06	5/3/2018	11.34			16.22	4,806.46	4,795.12	0.03
BH06	8/28/2018	10.94			16.22	4,806.46	4,795.52	0.40
BH06	11/15/2018	10.92			16.22	4,806.46	4,795.54	0.02
BH06	2/14/2019	10.98			16.22	4,806.46	4,795.48	-0.06

TABLE 1
FIRST QUARTER 2019
SUMMARY OF GROUNDWATER ELEVATION DATA
DCP TAMPA COMPRESSOR STATION
WELD COUNTY, COLORADO

Location	Date	Depth to Groundwater (feet)	Depth to Product (feet)	Free Phase Hydrocarbon Thickness (feet)	Total Depth (feet)	TOC Elevation (feet amsl)	Groundwater Elevation (*) (feet amsl)	Change in Groundwater Elevation Since Previous Event [(1)] (feet)
BH07	5/3/2018	11.21			15.32	4,806.01	4,794.80	0.03
BH07	8/28/2018	10.59			15.16	4,806.01	4,795.42	0.62
BH07	11/15/2018	10.67			15.16	4,806.01	4,795.34	-0.08
BH07	2/14/2019	10.69			15.16	4,806.01	4,795.32	-0.02
BH08	5/3/2018	8.80			15.14	4,803.78	4,794.98	0.01
BH08	8/28/2018	8.42			15.14	4,803.78	4,795.36	0.38
BH08	11/15/2018	8.42			15.14	4,803.78	4,795.36	0.00
BH08	2/14/2019	8.51			15.14	4,803.78	4,795.27	-0.09
BH09	5/3/2018	9.03			15.26	4,804.08	4,795.05	0.00
BH09	8/28/2018	8.69			15.27	4,804.08	4,795.39	0.34
BH09	11/15/2018	8.67			15.27	4,804.08	4,795.41	0.02
BH09	2/14/2019	8.75			15.27	4,804.08	4,795.33	-0.08
BH10	5/3/2018	10.02			15.24	4,805.37	4,795.35	0.00
BH10	8/28/2018	9.43			15.24	4,805.37	4,795.94	0.59
BH10	11/15/2018	9.65			15.24	4,805.37	4,795.72	-0.22
BH10	2/14/2019	9.73			15.24	4,805.37	4,795.64	-0.08
BH11	5/3/2018	9.80			14.45	4,804.97	4,795.17	-0.01
BH11	8/28/2018	9.68			15.25	4,804.97	4,795.29	0.12
BH11	11/15/2018	9.42			15.25	4,804.97	4,795.55	0.26
BH11	2/14/2019	9.49			15.25	4,804.97	4,795.48	-0.07
BH12	5/3/2018	10.08			15.22	4,805.13	4,795.05	0.01
BH12	8/28/2018	9.74			15.20	4,805.13	4,795.39	0.34
BH12	11/15/2018	9.71			15.20	4,805.13	4,795.42	0.03
BH12	2/14/2019	9.78			15.20	4,805.13	4,795.35	-0.07
							Average change in groundwater elevation (11/15/2018 to 02/14/2019)	-0.07

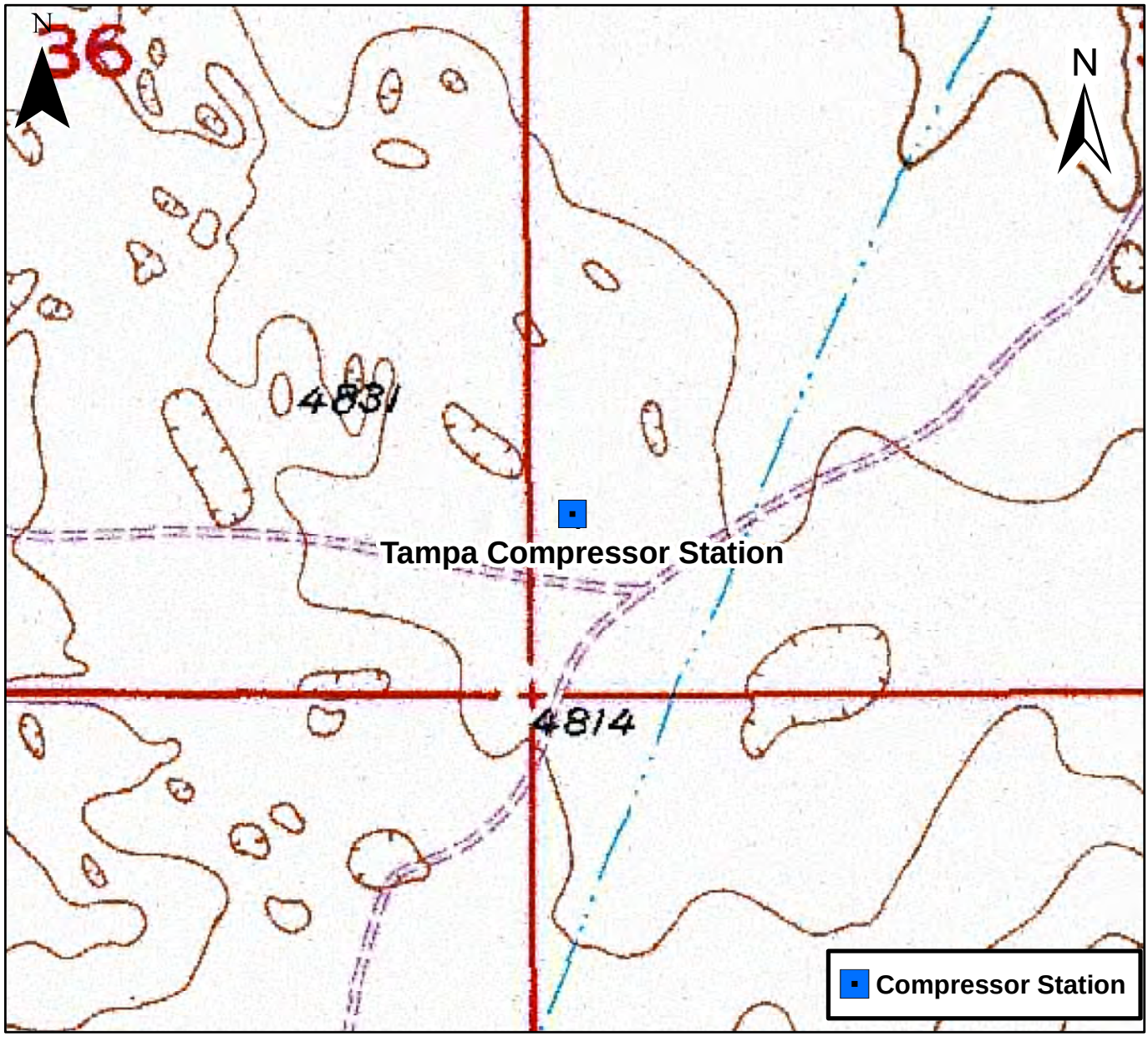
Notes:
1- Changes in groundwater elevation calculated by subtracting the measurement collected during the previous monitoring event from the measurement collected during the most recent monitoring event.
amsl = feet above mean sea level
TOC = top of casing
Groundwater elevation = (TOC Elevation - Measured Depth to Water)
TD = Total Depth

TABLE 2
FIRST QUARTER 2019
SUMMARY OF BTEX CONCENTRATIONS IN GROUNDWATER
DCP TAMPA COMPRESSOR STATION
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Comments
COGCC Standards (µg/L)		**5**	**560**	**700**	**1,400**	
BH01R	2/14/2019	1.2	<1.0	2.2	<2.0	
BH02	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH03	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH04	2/14/2019	<1.0	<1.0	330	740	
BH05	2/14/2019	**11**	<1.0	2.4	4.1	
BH06	2/14/2019	**140**	1.9	580	**2,100**	
BH07	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH08	2/14/2019	<1.0	<1.0	7.3	<2.0	
BH09	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH10	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH11	2/14/2019	<1.0	2.7	**790**	700	
BH12	2/14/2019	<1.0	<1.0	<1.0	<2.0	

Notes:
1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 910-1 of the COGCC 900 Series Rule for E&P Waste Management.
Bold red values indicate an exceedance of the COGCC groundwater standards for the Site.
µg/L = micrograms per liter.

Figures



0 750 1,500 Feet

Figure 1

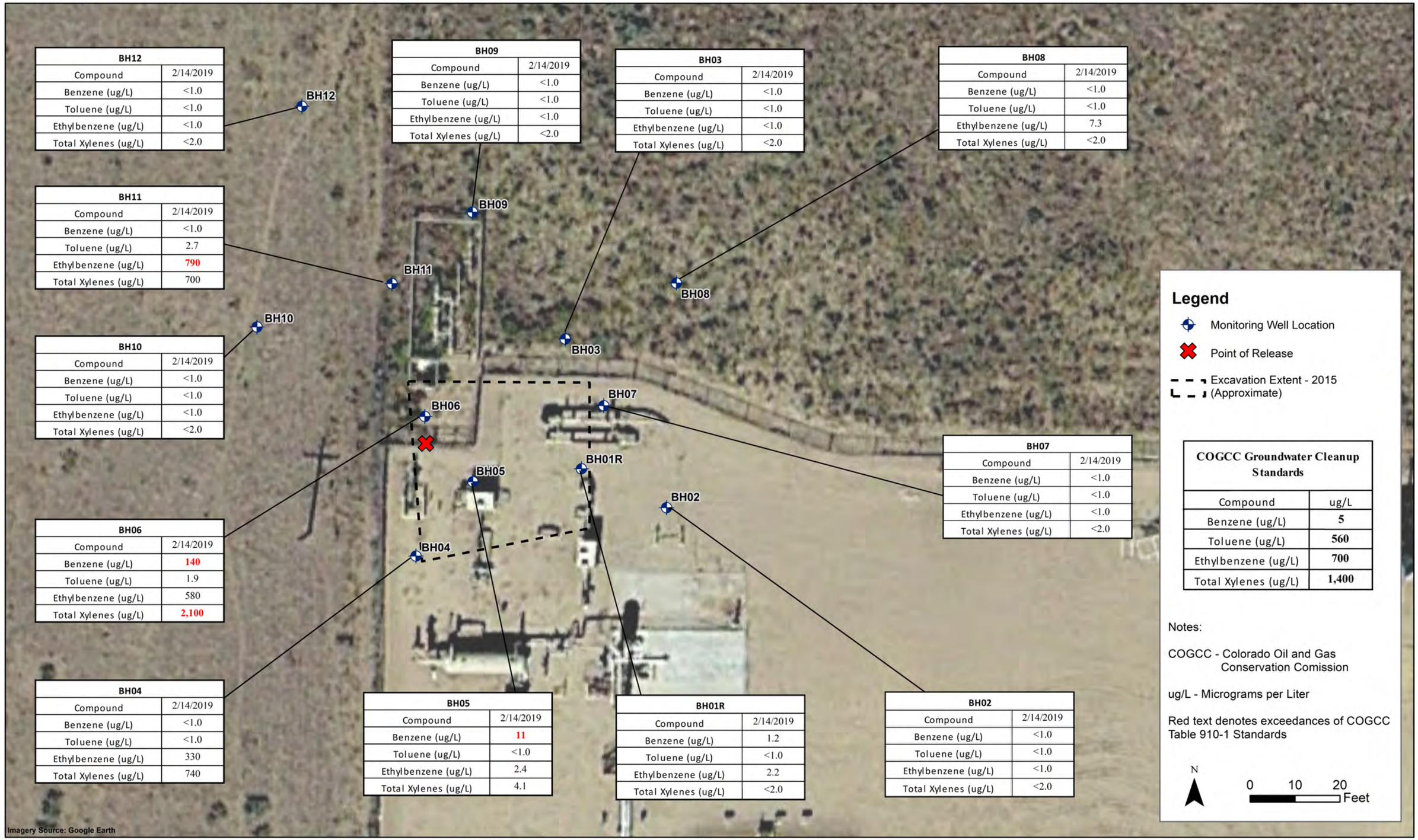
Site Location Map
Tampa Compressor Station
SWSW S31 T3N R63W
Weld County, Colorado

TASMAN GEOSCIENCES

Drawn By: DBA
Date: 2/19/2015

DATE: November 2018 DESIGNED BY: B. Humphrey DRAWN BY: D. Arnold	TASMAN GEOSCIENCES **Tasman Geosciences Inc.** **6899 Pecos Street - Unit C** **Denver, CO 80221**	**DCP Midstream** **Tampa Compressor Station** SWSW Section 31, Township 3 North, Range 63 West Weld County, Colorado	Site Map with Monitoring Well Locations	Figure 2

DATE: March 2019 DESIGNED BY: B. Humphrey DRAWN BY: D, Arnold	TASMAN GEOSCIENCES Tasman Geosciences Inc. 6899 Pecos Street - Unit C Denver, CO 80221	**DCP Midstream** **Tampa Compressor Station** SWSW Section 31, Township 3 North, Range 63 West Weld County, Colorado	Groundwater Elevation Contour Map (February 14, 2019)	Figure 3



BH12	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0

BH09	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0

BH03	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0

BH08	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	7.3
Total Xylenes (ug/L)	<2.0

BH11	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	2.7
Ethylbenzene (ug/L)	**790**
Total Xylenes (ug/L)	700

BH10	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0

BH07	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0

BH06	
Compound	2/14/2019
Benzene (ug/L)	**140**
Toluene (ug/L)	1.9
Ethylbenzene (ug/L)	580
Total Xylenes (ug/L)	**2,100**

BH04	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	330
Total Xylenes (ug/L)	740

BH05	
Compound	2/14/2019
Benzene (ug/L)	**11**
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	2.4
Total Xylenes (ug/L)	4.1

BH01R	
Compound	2/14/2019
Benzene (ug/L)	1.2
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	2.2
Total Xylenes (ug/L)	<2.0

BH02	
Compound	2/14/2019
Benzene (ug/L)	<1.0
Toluene (ug/L)	<1.0
Ethylbenzene (ug/L)	<1.0
Total Xylenes (ug/L)	<2.0

Legend

- Monitoring Well Location
- Point of Release
- Excavation Extent - 2015 (Approximate)

COGCC Groundwater Cleanup Standards	
Compound	ug/L
Benzene (ug/L)	**5**
Toluene (ug/L)	**560**
Ethylbenzene (ug/L)	**700**
Total Xylenes (ug/L)	**1,400**

Notes:

COGCC - Colorado Oil and Gas Conservation Comission

ug/L - Micrograms per Liter

Red text denotes exceedances of COGCC Table 910-1 Standards

N

0 10 20 Feet

DATE: March 2018

DESIGNED BY: B. Humphrey

DRAWN BY: C. Olson

TASMAN GEOSCIENCES
Tasman Geosciences Inc.
6899 Pecos Street - Unit C
Denver, CO 80221

DCP Midstream
Tampa Compressor Station
SWSW Section 31, Township 3 North, Range 63 West
Weld County, Colorado

Groundwater Analytical Results Map
(February 14, 2019)

Figure 4

Appendix A

Historical Groundwater Analytical Results

APPENDIX A
HISTORICAL GROUNDWATER ANALYTIC DATA
DCP TAMPA COMPRESSOR STATION
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Comments
COGCC Standards (µg/L)		**5**	**560**	**700**	**1,400**	
BH01	2/19/2015	NS	NS	NS	NS	LNAPL
BH01R	11/12/2015	**82**	<1.0	7.5	3.8	
BH01R	2/23/2016	**35**	<1.0	3.7	1.5	
BH01R	5/27/2016	4.2	<1.0	2.0	<1.0	
BH01R	8/17/2016	<1.0	<1.0	<1.0	<1.0	
BH01R	11/9/2016	<1.0	<1.0	3.4	<1.0	
BH01R	2/1/2017	<1.0	<1.0	<1.0	<1.0	
BH01R	5/1/2017	<1.0	<1.0	<1.0	<2.0	
BH01R	8/2/2017	<1.0	<1.0	<1.0	<2.0	
BH01R	11/28/2017	<1.0	<1.0	<1.0	<2.0	
BH01R	2/15/2018	<1.0	<1.0	<1.0	<2.0	
BH01R	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH01R	8/28/2018	<1.0	<1.0	3.4	<2.0	
BH01R	11/15/2018	<1.0	<1.0	5.2	<2.0	
BH01R	2/14/2019	1.2	<1.0	2.2	<2.0	
BH02	2/19/2015	<1.0	1.7	<1.0	1.1	
BH02	11/12/2015	<1.0	1.6	<1.0	4.5	
BH02	2/23/2016	<1.0	<1.0	<1.0	<1.0	
BH02	5/27/2016	<1.0	<1.0	<1.0	<1.0	
BH02	8/17/2016	<1.0	<1.0	<1.0	<1.0	
BH02	11/9/2016	<1.0	<1.0	<1.0	<1.0	
BH02	2/1/2017	<1.0	<1.0	1.9	<1.0	
BH02	5/1/2017	<1.0	<1.0	<1.0	<2.0	
BH02	8/2/2017	<1.0	<1.0	<1.0	<2.0	
BH02	11/28/2017	<1.0	<1.0	<1.0	<2.0	
BH02	2/15/2018	<1.0	<1.0	<1.0	<2.0	
BH02	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH02	8/28/2018	<1.0	<1.0	<1.0	<2.0	
BH02	11/15/2018	<1.0	<1.0	<1.0	<2.0	
BH02	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH03	2/19/2015	NS	NS	NS	NS	LNAPL
BH03	11/12/2015	NS	NS	NS	NS	LNAPL
BH03	2/23/2016	NS	NS	NS	NS	LNAPL
BH03	5/27/2016	**53**	65	100	700	
BH03	8/17/2016	<1.0	<1.0	<1.0	<1.0	
BH03	11/9/2016	<1.0	<1.0	<1.0	<1.0	
BH03	2/1/2017	<1.0	<1.0	<1.0	<1.0	
BH03	5/1/2017	<1.0	<1.0	<1.0	<2.0	
BH03	8/2/2017	1.1	<1.0	<1.0	<2.0	
BH03	11/28/2017	<1.0	<1.0	<1.0	<2.0	
BH03	2/15/2018	<1.0	<1.0	<1.0	<2.0	
BH03	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH03	8/28/2018	<1.0	<1.0	<1.0	<2.0	
BH03	11/15/2018	<1.0	<1.0	<1.0	<2.0	
BH03	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH04	11/12/2015	NS	NS	NS	NS	LNAPL
BH04	2/23/2016	NS	NS	NS	NS	LNAPL
BH04	5/27/2016	**120**	490	560	**2,600**	
BH04	8/17/2016	**28**	73	140	840	LNAPL
BH04	11/9/2016	**120**	**590**	**1,800**	**5,500**	LNAPL
BH04	2/1/2017	3.9	46	220	560	
BH04	5/1/2017	1.0	13	83	280	
BH04	8/2/2017	<1.0	8.6	190	390	
BH04	11/28/2017	<1.0	3.7	140	440	
BH04	2/15/2018	<1.0	2.7	200	520	
BH04	5/3/2018	<1.0	<1.0	180	350	
BH04	8/28/2018	<1.0	1.0	160	370	
BH04	11/15/2018	2.2	1.2	350	730	
BH04	2/14/2019	<1.0	<1.0	330	740	

APPENDIX A
HISTORICAL GROUNDWATER ANALYTIC DATA
DCP TAMPA COMPRESSOR STATION
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Comments
COGCC Standards (µg/L)		**5**	**560**	**700**	**1,400**	
BH05	11/12/2015	**6,700**	**590**	610	**2,300**	
BH05	2/23/2016	**2,900**	180	540	**1,500**	
BH05	5/27/2016	**2,300**	130	610	**2,900**	
BH05	8/17/2016	**1,800**	30	100	1,100	
BH05	11/9/2016	**19,000**	**2,000**	**3,500**	**15,000**	
BH05	2/1/2017	**2,300**	95	450	**1,800**	
BH05	5/1/2017	**1,500**	17	210	1,000	
BH05	8/2/2017	**1,700**	<1.0	230	**1,400**	
BH05	11/28/2017	<1.0	<1.0	<1.0	<2.0	
BH05	2/15/2018	1.6	<1.0	<1.0	<2.0	
BH05	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH05	8/28/2018	**7.6**	<1.0	3.6	7.3	
BH05	11/15/2018	**18**	<1.0	3.6	7.2	
BH05	2/14/2019	**11**	<1.0	2.4	4.1	
BH06	11/12/2015	NS	NS	NS	NS	LNAPL
BH06	2/23/2016	NS	NS	NS	NS	LNAPL
BH06	5/27/2016	**6,500**	**6,200**	**2,500**	**14,000**	
BH06	8/17/2016	**5,400**	**3,100**	**1,400**	**7,600**	
BH06	11/9/2016	NS	NS	NS	NS	LNAPL
BH06	2/1/2017	**2,000**	**800**	510	**2,100**	LNAPL
BH06	5/1/2017	**1,100**	**620**	260	**1,900**	LNAPL
BH06	8/2/2017	**3,000**	**2,600**	570	**4,100**	
BH06	11/28/2017	**1,400**	**770**	190	**1,900**	
BH06	2/15/2018	**1,300**	340	1.7	**2,100**	
BH06	5/3/2018	**690**	500	230	**2,200**	
BH06	8/28/2018	**370**	17	560	**2,000**	
BH06	11/15/2018	**230**	10	620	**2,400**	
BH06	2/14/2019	**140**	1.9	580	**2,100**	
BH07	11/12/2015	**1,600**	**1,000**	290	1,000	
BH07	2/23/2016	**130**	70	170	110	
BH07	5/27/2016	**3,100**	**1,500**	500	**2,700**	
BH07	8/17/2016	**2,500**	170	550	**2,600**	
BH07	11/9/2016	**790**	71	510	**2,400**	
BH07	2/1/2017	**240**	30	410	**2,000**	
BH07	5/1/2017	**56**	9.3	300	**1,400**	
BH07	8/2/2017	**26**	5.3	130	**1,600**	
BH07	11/28/2017	<1.0	<1.0	<1.0	<2.0	
BH07	2/15/2018	<1.0	<1.0	<1.0	<2.0	
BH07	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH07	8/28/2018	<1.0	<1.0	<1.0	<2.0	
BH07	11/15/2018	<1.0	<1.0	<1.0	3.5	
BH07	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH08	11/12/2015	**160**	16	11	40	
BH08	2/23/2016	**150**	37	15	74	
BH08	5/27/2016	**60**	10	19	110	
BH08	8/17/2016	**5.1**	6.2	20	320	
BH08	11/9/2016	<1.0	<1.0	<1.0	9.1	
BH08	2/1/2017	4.6	<1.0	11	32	
BH08	5/1/2017	<1.0	<1.0	4.7	6.8	
BH08	8/2/2017	<1.0	<1.0	<1.0	<2.0	
BH08	11/28/2017	1.6	<1.0	7.5	41	
BH08	2/15/2018	<1.0	<1.0	<1.0	<2.0	
BH08	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH08	8/28/2018	<1.0	<1.0	9.7	<2.0	
BH08	11/15/2018	<1.0	<1.0	11	5.1	
BH08	2/14/2019	<1.0	<1.0	7.3	<2.0	

APPENDIX A
HISTORICAL GROUNDWATER ANALYTIC DATA
DCP TAMPA COMPRESSOR STATION
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Comments
COGCC Standards (µg/L)		**5**	**560**	**700**	**1,400**	
BH09	11/12/2015	**610**	46	18	80	
BH09	2/23/2016	**23**	<1.0	<1.0	<1.0	
BH09	5/27/2016	**8.0**	<1.0	<1.0	<1.0	
BH09	8/17/2016	<1.0	<1.0	<1.0	<1.0	
BH09	11/9/2016	<1.0	<1.0	<1.0	<1.0	
BH09	2/1/2017	<1.0	<1.0	<1.0	<1.0	
BH09	5/1/2017	<1.0	<1.0	<1.0	<2.0	
BH09	8/2/2017	<1.0	<1.0	<1.0	<2.0	
BH09	11/28/2017	<1.0	<1.0	<1.0	<2.0	
BH09	2/15/2018	<1.0	<1.0	<1.0	<2.0	
BH09	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH09	8/28/2018	<1.0	<1.0	<1.0	<2.0	
BH09	11/15/2018	<1.0	<1.0	<1.0	<2.0	
BH09	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH10	11/12/2015	<1.0	<1.0	<1.0	<1.0	
BH10	2/23/2016	<1.0	<1.0	<1.0	<1.0	
BH10	5/27/2016	<1.0	<1.0	<1.0	<1.0	
BH10	8/17/2016	<1.0	<1.0	<1.0	<1.0	
BH10	11/9/2016	<1.0	<1.0	<1.0	<1.0	
BH10	2/1/2017	<1.0	<1.0	<1.0	<1.0	
BH10	5/1/2017	<1.0	<1.0	<1.0	<2.0	
BH10	8/2/2017	<1.0	<1.0	<1.0	<2.0	
BH10	11/28/2017	<1.0	<1.0	<1.0	<2.0	
BH10	2/15/2018	<1.0	<1.0	<1.0	<2.0	
BH10	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH10	8/28/2018	<1.0	9.5	540	380	
BH10	11/15/2018	<1.0	<1.0	<1.0	<2.0	
BH10	2/14/2019	<1.0	<1.0	<1.0	<2.0	
BH11	11/12/2015	**2,100**	**1,800**	200	840	
BH11	2/23/2016	NS	NS	NS	NS	LNAPL
BH11	5/27/2016	**2,100**	180	600	**1,900**	
BH11	8/17/2016	**1,100**	3.5	34	770	
BH11	11/9/2016	**27**	<1.0	100	260	
BH11	2/1/2017	2.0	<1.0	290	330	
BH11	5/1/2017	<1.0	<1.0	160	14	
BH11	8/2/2017	<1.0	<1.0	<1.0	<2.0	
BH11	11/28/2017	<1.0	22	370	430	
BH11	2/15/2018	<1.0	32	210	440	
BH11	5/3/2018	<1.0	9.4	30	310	
BH11	8/28/2018	<1.0	<1.0	<1.0	<2.0	
BH11	11/15/2018	<1.0	6.1	**770**	640	
BH11	2/14/2019	<1.0	2.7	**790**	700	

APPENDIX A
HISTORICAL GROUNDWATER ANALYTIC DATA
DCP TAMPA COMPRESSOR STATION
WELD COUNTY, COLORADO

Location Identification	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	Comments
COGCC Standards (µg/L)		**5**	**560**	**700**	**1,400**	
BH12	11/12/2015	<1.0	<1.0	<1.0	<1.0	
BH12	2/23/2016	<1.0	<1.0	<1.0	<1.0	
BH12	5/27/2016	<1.0	<1.0	<1.0	<1.0	
BH12	8/17/2016	<1.0	<1.0	<1.0	<1.0	
BH12	11/9/2016	<1.0	<1.0	<1.0	<1.0	
BH12	2/1/2017	<1.0	<1.0	<1.0	<1.0	
BH12	5/1/2017	<1.0	<1.0	<1.0	<2.0	
BH12	8/2/2017	<1.0	<1.0	<1.0	<2.0	
BH12	11/28/2017	<1.0	<1.0	<1.0	<2.0	
BH12	2/15/2018	<1.0	<1.0	<1.0	<2.0	
BH12	5/3/2018	<1.0	<1.0	<1.0	<2.0	
BH12	8/28/2018	<1.0	<1.0	<1.0	<2.0	
BH12	11/15/2018	<1.0	<1.0	<1.0	<2.0	
BH12	2/14/2019	<1.0	<1.0	<1.0	<2.0	

Notes:
1). The environmental cleanup standards for groundwater that are applicable to this site are the Colorado Oil and Gas Conservation Commission (COGCC) standards for contaminants in groundwater according to Table 910-1 of the COGCC 900 Series Rule for E&P Waste Management.
Bold red values indicate an exceedance of the COGCC groundwater standards for the Site.
NS = Not sampled.
µg/L = micrograms per liter.
LNAPL - Light non-aqueous phase liquid

Appendix B

Laboratory Analytical Report
Summit Scientific – 1902131

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

February 21, 2019

Steve Weathers

DCP Midstream

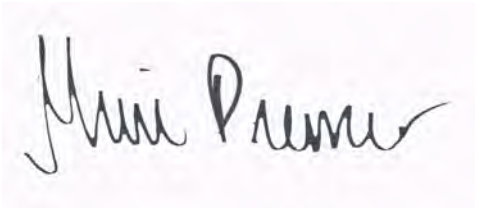
370 17th Street, Suite 2500

Denver, CO 80202-5604

RE: Tampa Compressor Station

Enclosed are the results of analyses for samples received by Summit Scientific on 02/14/19 17:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Muri Premer For Ben Shrewsbury

Laboratory Manager

S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01R	1902131-01	Water	02/14/19 13:20	02/14/19 17:50
BH02	1902131-02	Water	02/14/19 12:50	02/14/19 17:50
BH03	1902131-03	Water	02/14/19 13:10	02/14/19 17:50
BH04	1902131-04	Water	02/14/19 13:45	02/14/19 17:50
BH05	1902131-05	Water	02/14/19 14:15	02/14/19 17:50
BH06	1902131-06	Water	02/14/19 14:00	02/14/19 17:50
BH07	1902131-07	Water	02/14/19 12:55	02/14/19 17:50
BH08	1902131-08	Water	02/14/19 13:00	02/14/19 17:50
BH09	1902131-09	Water	02/14/19 13:15	02/14/19 17:50
BH10	1902131-10	Water	02/14/19 13:30	02/14/19 17:50
BH11	1902131-11	Water	02/14/19 13:40	02/14/19 17:50
BH12	1902131-12	Water	02/14/19 13:25	02/14/19 17:50

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Summit Scientific

1902131.1

741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

Client:	DCP/Tasman	Project Manager:	Steve Weathers
Address:	6899 N Pecos St	E-Mail:	swweathers@dcpmidstream.com
City/State/Zip:	Denver/CO/80221	Project Name:	Tampa Compressor Station
Phone: 9704816909	Fax:	Project Number:	—
Sampler Name: Max Dahlgren			

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other (Specify)	Matrix: Groundwater	Matrix: Soil	Matrix: Air - Canister Serial #	Matrix: Other (Specify)	Analyze For: BTEX	Special Instructions
BH01R	2/14/19	1320	3	X				X				X	
BH02		1250											
BH03		1310											
BH04		1345											
BH05		1415											
BH06		1400											
BH07		1255											
BH08		1300											
BH09		1315											
BH10		1330											

Relinquished by:	Date/Time: 2/14/19 1530	Received by: Lock Box	Date/Time: 2/14/19 1530
Relinquished by: Lock Box	Date/Time: 2.14.19 1750	Received by:	Date/Time: 2.14.19 1750
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:

Turn Around Time (Check)

Same Day		72 Hours	
24 Hours		Standard	X
48 Hours			

Sample Integrity:
Temperature Upon Receipt: 4.3
Intact: Yes ✓ No

Notes:

Summit Scientific

1902131.2

741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

Client:	DCP/Tasman	Project Manager:	Steve Weathers
Address:	6899 N Pecos St	E-Mail:	swweathers@dcpmidstream.com
City/State/Zip:	Denver/CO/80221	Project Name:	Tampa Compressor Station
Phone: 9704816909	Fax:	Project Number:	-
Sampler Name: Max Dahlgren			

				Preservative				Matrix				Analyze For:								
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO_3	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX								Special Instructions
BH11	2/14/19	1340	3	X				X				X								
BH12	↓	1325	3	X				X				X								

Relinquished by:	Date/Time: 2/14/19 1530	Received by: lock Box	Date/Time: 2/14/19 1530
Relinquished by: lock Box	Date/Time: 2.14.19 1750	Received by:	Date/Time: 2.14.19 1750
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:

Turn Around Time (Check)

Same Day		72 Hours	
24 Hours		Standard	X
48 Hours			

Sample Integrity:

Temperature Upon Receipt: 4.3

Intact: Yes ✓ No

Notes:

Sample Receipt Checklist

S2 Work Order 1902131

Client: DCP / Tasman Client Project ID: Tampa Compressor Station

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other P.U. Airbill #: _____

Matrix (check all that apply): ____Air ____Soil/Solid ✓ Water ____Other:____ (Describe)

Temp (°C)	4.3

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C [1]? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	✓			
Were all samples received intact [1]?	✓			
Was adequate sample volume provided [1]?	✓			
If custody seals are present, are they intact [1]?			✓	
Are samples with holding times due within 48 hours sample due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely [1]?	✓			
Does the COC agree with the number and type of sample bottles received [1]?	✓			
Do the sample IDs on the bottle labels match the COC [1]?	✓			
Is the COC properly relinquished by the client w/ date and time recorded [1]?	✓			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**		✓		
Are samples preserved that require preservation **(excluding cooling)** [1]? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	✓			HCl
If samples are acid preserved for metals, is the pH ≤ 2[1]? Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				

[1] **If NO, then contact the client before proceeding with analysis and note in case narrative.**

CP
Custodian Printed Name or Initials

Signature of Custodian

2.14.19 1845
Date/Time

S2

DCP Midstream	Project: Tampa Compressor Station	
370 17th Street, Suite 2500	Project Number: [none]	**Reported:**
Denver CO, 80202-5604	Project Manager: Steve Weathers	02/21/19 11:09

BH01R

1902131-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**1.2**	1.0	ug/l	1	1902210	02/15/19	02/17/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**2.2**	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*91.3 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.7 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.6 %*	*21-167*		"	"	"	"	

S2

DCP Midstream	Project: Tampa Compressor Station	
370 17th Street, Suite 2500	Project Number: [none]	**Reported:**
Denver CO, 80202-5604	Project Manager: Steve Weathers	02/21/19 11:09

BH02

1902131-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/17/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*90.3 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*96.6 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.6 %*	*21-167*		"	"	"	"	

S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

BH03

1902131-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/17/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*92.0 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*96.8 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.1 %*	*21-167*		"	"	"	"	

S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

BH04

1902131-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/17/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**330**	25	"	25	"	"	"	"	
Xylenes (total)	**740**	50	"	"	"	"	"	"	

Date Sampled: **02/14/19 13:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*92.2 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*96.2 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*21-167*		"	"	"	"	

S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

BH05

1902131-05 (Water)

Summit Scientific

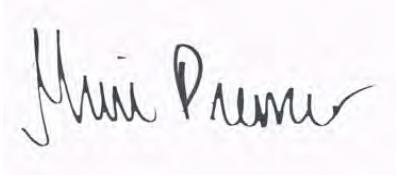
Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**11**	1.0	ug/l	1	1902210	02/15/19	02/20/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**2.4**	1.0	"	"	"	"	"	"	
Xylenes (total)	**4.1**	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 14:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*98.3 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.9 %*	*21-167*		"	"	"	"	



S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

BH06

1902131-06 (Water)

Summit Scientific

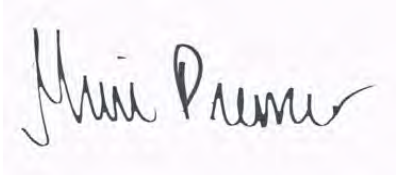
Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**140**	25	ug/l	25	1902210	02/15/19	02/17/19	EPA 8260B	
Toluene	**1.9**	1.0	"	1	"	"	"	"	
Ethylbenzene	**580**	25	"	25	"	"	"	"	
Xylenes (total)	**2100**	50	"	"	"	"	"	"	

Date Sampled: **02/14/19 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*93.8 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*96.8 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*21-167*		"	"	"	"	



S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

BH07

1902131-07 (Water)

Summit Scientific

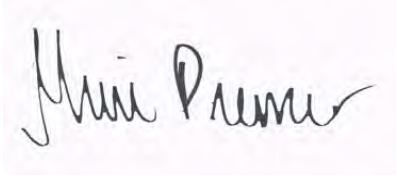
Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/18/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*93.5 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.9 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.3 %*	*21-167*		"	"	"	"	



S2

DCP Midstream	Project: Tampa Compressor Station	
370 17th Street, Suite 2500	Project Number: [none]	**Reported:**
Denver CO, 80202-5604	Project Manager: Steve Weathers	02/21/19 11:09

BH08

1902131-08 (Water)

Summit Scientific

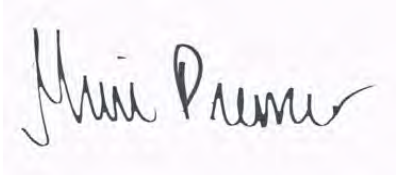
Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/18/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	**7.3**	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 13:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*91.6 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*98.0 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*21-167*		"	"	"	"	



S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

BH09

1902131-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/18/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*91.2 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.3 %*	*21-167*		"	"	"	"	

S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

BH10

1902131-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/18/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*93.2 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.6 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.1 %*	*21-167*		"	"	"	"	

S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

BH11

1902131-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/18/19	EPA 8260B	
Toluene	**2.7**	1.0	"	"	"	"	"	"	
Ethylbenzene	**790**	25	"	25	"	"	"	"	
Xylenes (total)	**700**	50	"	"	"	"	"	"	

Date Sampled: **02/14/19 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*97.6 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*95.5 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*21-167*		"	"	"	"	

S2

DCP Midstream	Project: Tampa Compressor Station	
370 17th Street, Suite 2500	Project Number: [none]	**Reported:**
Denver CO, 80202-5604	Project Manager: Steve Weathers	02/21/19 11:09

BH12

1902131-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/19 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1902210	02/15/19	02/18/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **02/14/19 13:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*91.4 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*21-167*		"	"	"	"	

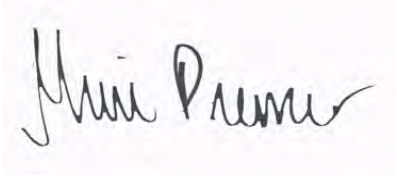
S2

DCP Midstream 370 17th Street, Suite 2500 Denver CO, 80202-5604	Project: Tampa Compressor Station Project Number: [none] Project Manager: Steve Weathers	**Reported:** 02/21/19 11:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1902210 - EPA 5030 Water MS										
Blank (1902210-BLK1)				Prepared: 02/15/19 Analyzed: 02/17/19						
Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	*12.4*		*"*	*13.3*		*93.2*	*23-173*			
Surrogate: Toluene-d8	*12.9*		*"*	*13.3*		*96.5*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*12.6*		*"*	*13.3*		*94.4*	*21-167*			
LCS (1902210-BS1)				Prepared: 02/15/19 Analyzed: 02/17/19						
Benzene	36.8	1.0	ug/l	33.3		110	70-130			
Toluene	35.5	1.0	"	33.3		107	70-130			
Ethylbenzene	38.6	1.0	"	33.3		116	70-130			
m,p-Xylene	75.2	2.0	"	66.7		113	70-130			
o-Xylene	34.1	1.0	"	33.3		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	*12.8*		*"*	*13.3*		*96.2*	*23-173*			
Surrogate: Toluene-d8	*13.2*		*"*	*13.3*		*99.2*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*12.9*		*"*	*13.3*		*96.7*	*21-167*			
Matrix Spike (1902210-MS1)		**Source: 1902131-01**		Prepared: 02/15/19 Analyzed: 02/17/19						
Benzene	36.8	1.0	ug/l	33.3	1.22	107	70-130			
Toluene	35.8	1.0	"	33.3	ND	108	70-130			
Ethylbenzene	41.6	1.0	"	33.3	2.16	118	70-130			
m,p-Xylene	78.8	2.0	"	66.7	ND	118	70-130			
o-Xylene	36.0	1.0	"	33.3	ND	108	70-130			
Surrogate: 1,2-Dichloroethane-d4	*12.7*		*"*	*13.3*		*95.3*	*23-173*			
Surrogate: Toluene-d8	*13.0*		*"*	*13.3*		*97.8*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.3*		*"*	*13.3*		*99.6*	*21-167*			



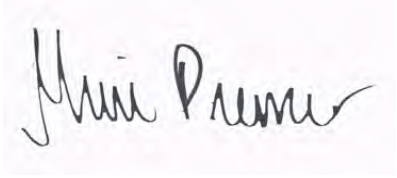
S2

DCP Midstream	Project: Tampa Compressor Station	
370 17th Street, Suite 2500	Project Number: [none]	**Reported:**
Denver CO, 80202-5604	Project Manager: Steve Weathers	02/21/19 11:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1902210 - EPA 5030 Water MS										
Matrix Spike Dup (1902210-MSD1)	**Source: 1902131-01**			Prepared: 02/15/19 Analyzed: 02/17/19						
Benzene	35.9	1.0	ug/l	33.3	1.22	104	70-130	2.42	30	
Toluene	35.4	1.0	"	33.3	ND	106	70-130	1.18	30	
Ethylbenzene	39.6	1.0	"	33.3	2.16	112	70-130	4.88	30	
m,p-Xylene	75.2	2.0	"	66.7	ND	113	70-130	4.70	30	
o-Xylene	34.3	1.0	"	33.3	ND	103	70-130	4.95	30	
Surrogate: 1,2-Dichloroethane-d4	*13.7*		*"*	*13.3*		*103*	*23-173*			
Surrogate: Toluene-d8	*13.1*		*"*	*13.3*		*98.6*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.1*		*"*	*13.3*		*98.0*	*21-167*			



DCP Midstream	Project: Tampa Compressor Station	
370 17th Street, Suite 2500	Project Number: [none]	**Reported:**
Denver CO, 80202-5604	Project Manager: Steve Weathers	02/21/19 11:09

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference