

**DCP TAMPA COMPRESSOR STATION SITE
THIRD QUARTER 2019
FORM 27 SUPPLEMENTAL GROUNDWATER MONITORING SUMMARY REPORT**

ATTACHMENTS

Tables

- 1 Third Quarter 2019 Summary of Groundwater Elevation Data
- 2 Third Quarter 2019 Summary of BTEX Concentrations in Groundwater
- 3 Historical BTEX Concentrations in Groundwater

Figures

- 1 Site Location Map
- 2 Site Overview Map with Monitoring Well Locations
- 3 Groundwater Elevation Contour Map – August 20, 2019
- 4 Groundwater Analytical Results Map – August 20, 2019

Appendices

- A Laboratory Analytical Report
 - Origins Laboratory Job #: Y908328

TABLE 1
THIRD 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	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
BH01R	5/28/2019	9.80			15.65	4,805.57	4,795.77	0.37
BH01R	8/20/2019	9.62			15.65	4,805.57	4,795.95	0.18
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
BH02	5/28/2019	11.76			18.44	4,807.70	4,795.94	0.38
BH02	8/20/2019	11.61			18.46	4,807.70	4,796.09	0.15
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
BH03	5/28/2019	8.54			16.29	4,804.31	4,795.77	0.33
BH03	8/20/2019	8.34			16.37	4,804.31	4,795.97	0.20
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
BH04	5/28/2019	10.78			16.07	4,806.95	4,796.17	0.32
BH04	8/20/2019	10.59			16.12	4,806.95	4,796.36	0.19
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
BH05	5/28/2019	10.46			15.67	4,806.51	4,796.05	0.42
BH05	8/20/2019	10.37			15.68	4,806.51	4,796.14	0.09
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
BH06	5/28/2019	10.67			16.23	4,806.46	4,795.79	0.31
BH06	8/20/2019	10.50			16.22	4,806.46	4,795.96	0.17

TABLE 1
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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	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
BH07	5/28/2019	10.33			15.15	4,806.01	4,795.68	0.36
BH07	8/20/2019	9.98			15.17	4,806.01	4,796.03	0.35
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
BH08	5/28/2019	8.16			15.18	4,803.78	4,795.62	0.35
BH08	8/20/2019	7.97			15.21	4,803.78	4,795.81	0.19
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
BH09	5/28/2019	8.43			15.21	4,804.08	4,795.65	0.32
BH09	8/20/2019	8.24			15.25	4,804.08	4,795.84	0.19
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
BH10	5/28/2019	9.43			15.28	4,805.37	4,795.94	0.30
BH10	8/20/2019	9.22			15.31	4,805.37	4,796.15	0.21
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
BH11	5/28/2019	9.18			14.42	4,804.97	4,795.79	0.31
BH11	8/20/2019	8.98			14.43	4,804.97	4,795.99	0.20
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
BH12	5/28/2019	9.50			15.12	4,805.13	4,795.63	0.28
BH12	8/20/2019	9.28			15.25	4,805.13	4,795.85	0.22
Average change in groundwater elevation (5/28/19 to 8/20/19)								0.20

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
THIRD 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	8/20/2019	<1.0	<1.0	3.42	<1.0	
BH02	8/20/2019	<1.0	<1.0	<1.0	<1.0	
BH03	8/20/2019	<1.0	<1.0	<1.0	<1.0	
BH04	8/20/2019	<4.0	<4.0	163	441	
BH05	8/20/2019	46.3	<1.0	12.6	5.59	
BH06	8/20/2019	19	<10.0	436	1,810	
BH07	8/20/2019	<1.0	<1.0	<1.0	<1.0	
BH08	8/20/2019	<1.0	<1.0	5.43	<1.0	
BH09	8/20/2019	<1.0	<1.0	<1.0	<1.0	
BH10	8/20/2019	<1.0	<1.0	<1.0	<1.0	
BH11	8/20/2019	<4.0	<4.0	781	651	
BH12	8/20/2019	<1.0	<1.0	<1.0	<1.0	

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.

TABLE 3
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	
BH01R	5/28/2019	<1.0	<1.0	7.3	<1.0	
BH01R	8/20/2019	<1.0	<1.0	3.42	<1.0	
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	
BH02	5/28/2019	<1.0	<1.0	<1.0	<1.0	
BH02	8/20/2019	<1.0	<1.0	<1.0	<1.0	
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	
BH03	5/28/2019	<1.0	<1.0	<1.0	<1.0	
BH03	8/20/2019	<1.0	<1.0	<1.0	<1.0	
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	
BH04	5/28/2019	<1.0	<1.0	265	608	
BH04	8/20/2019	<4.0	<4.0	163	441	

TABLE 3
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	
BH05	5/28/2019	39	<1.0	13	10.3	
BH05	8/20/2019	46.3	<1.0	12.6	5.59	
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	
BH06	5/28/2019	84	4.0	638	2,480	
BH06	8/20/2019	19	<10.0	436	1,810	
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	
BH07	5/28/2019	<1.0	<1.0	7.7	13.1	
BH07	8/20/2019	<1.0	<1.0	<1.0	<1.0	
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	
BH08	5/28/2019	<1.0	<1.0	5.6	<1.0	
BH08	8/20/2019	<1.0	<1.0	5.43	<1.0	

TABLE 3
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	
BH09	5/28/2019	<1.0	<1.0	<1.0	<1.0	
BH09	8/20/2019	<1.0	<1.0	<1.0	<1.0	
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	
BH10	5/28/2019	<1.0	<1.0	<1.0	<1.0	
BH10	8/20/2019	<1.0	<1.0	<1.0	<1.0	
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	
BH11	5/28/2019	<1.0	<1.0	689	582	
BH11	8/20/2019	<4.0	<4.0	781	651	

TABLE 3
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	
BH12	5/28/2019	<1.0	<1.0	<1.0	<1.0	
BH12	8/20/2019	<1.0	<1.0	<1.0	<1.0	

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

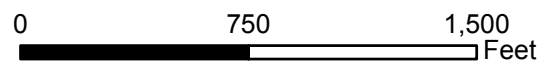
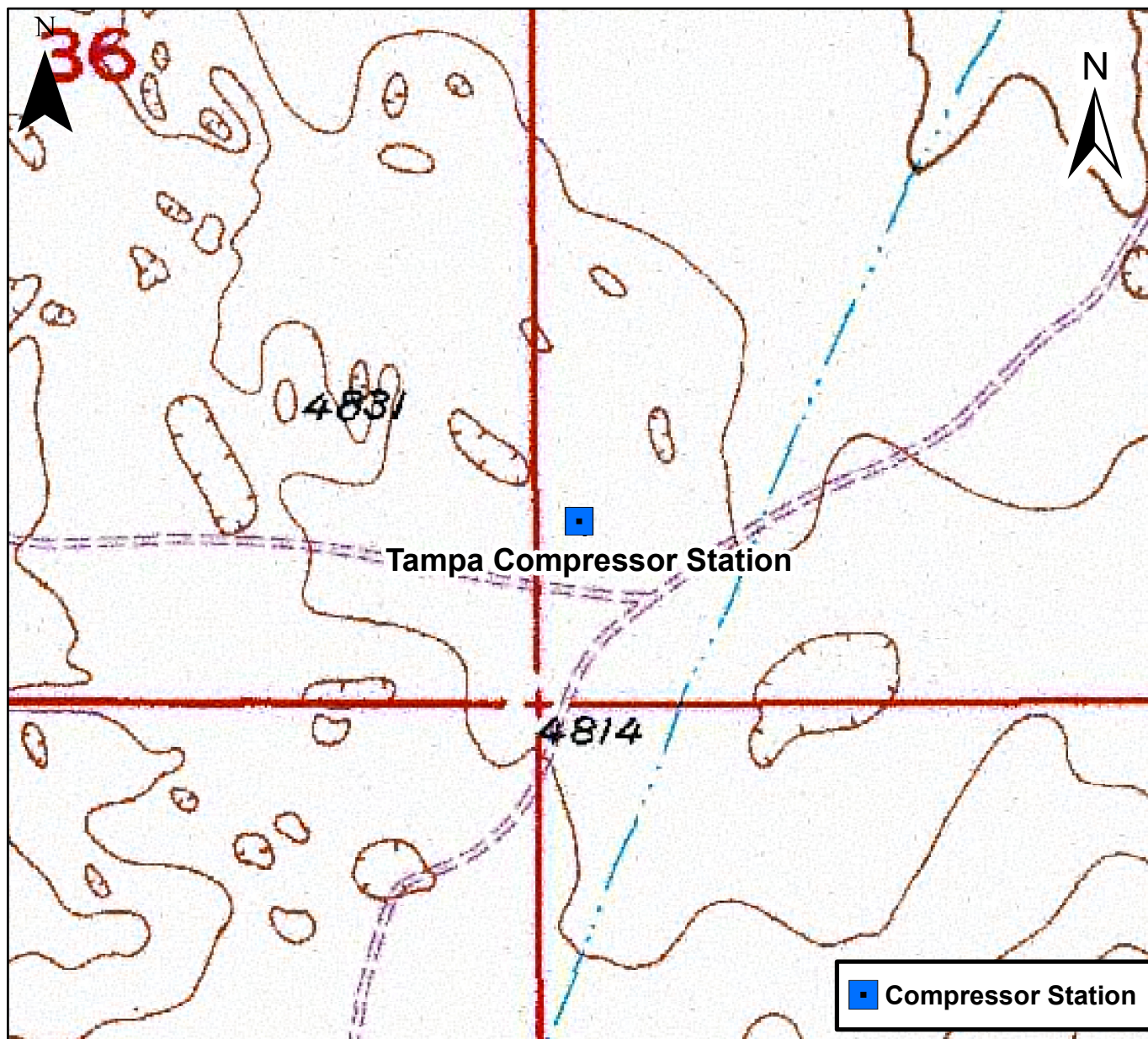
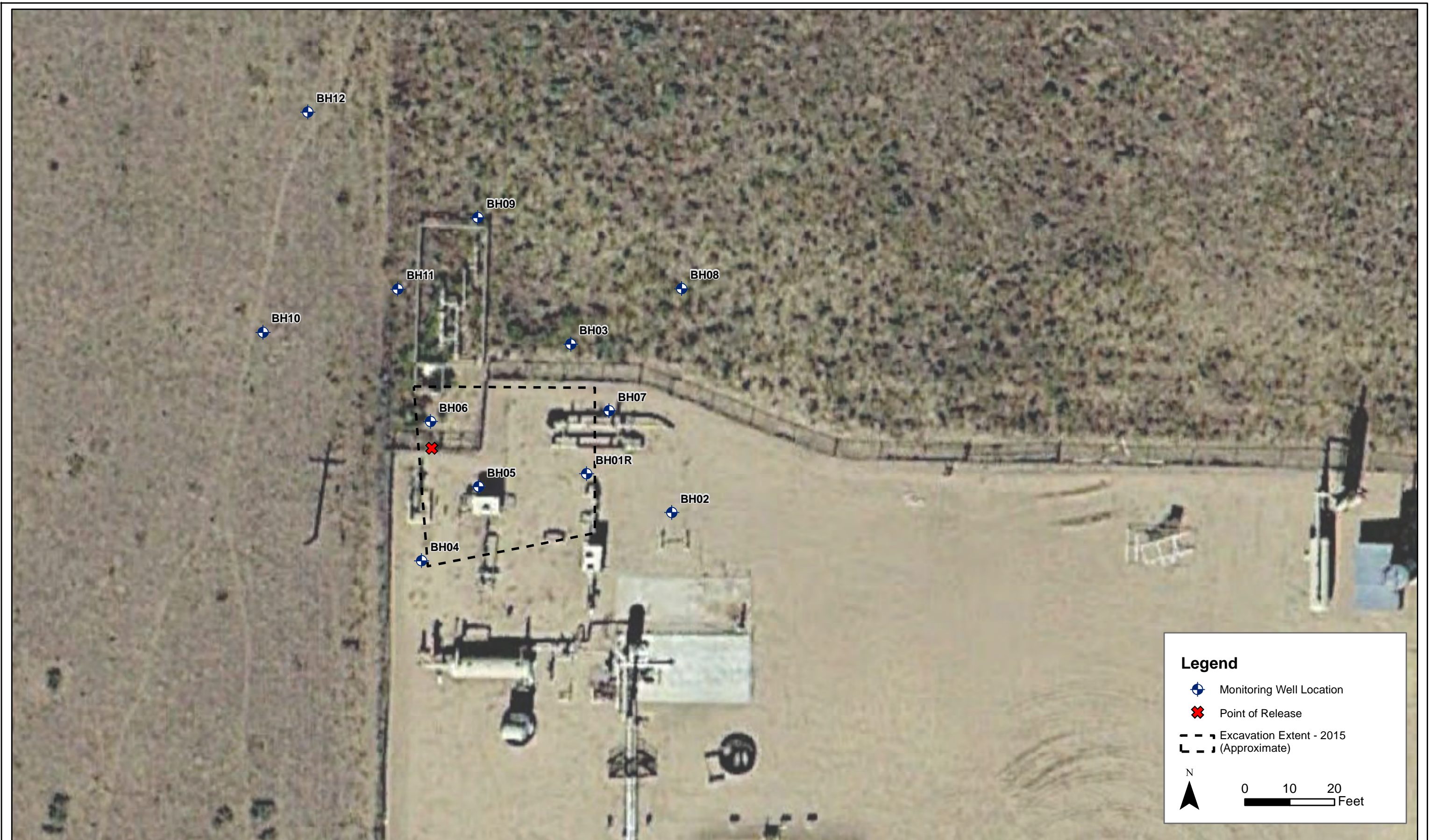


Figure 1

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





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:	October 2019
DESIGNED BY:	B. Humphrey
DRAWN BY:	J. Clonts



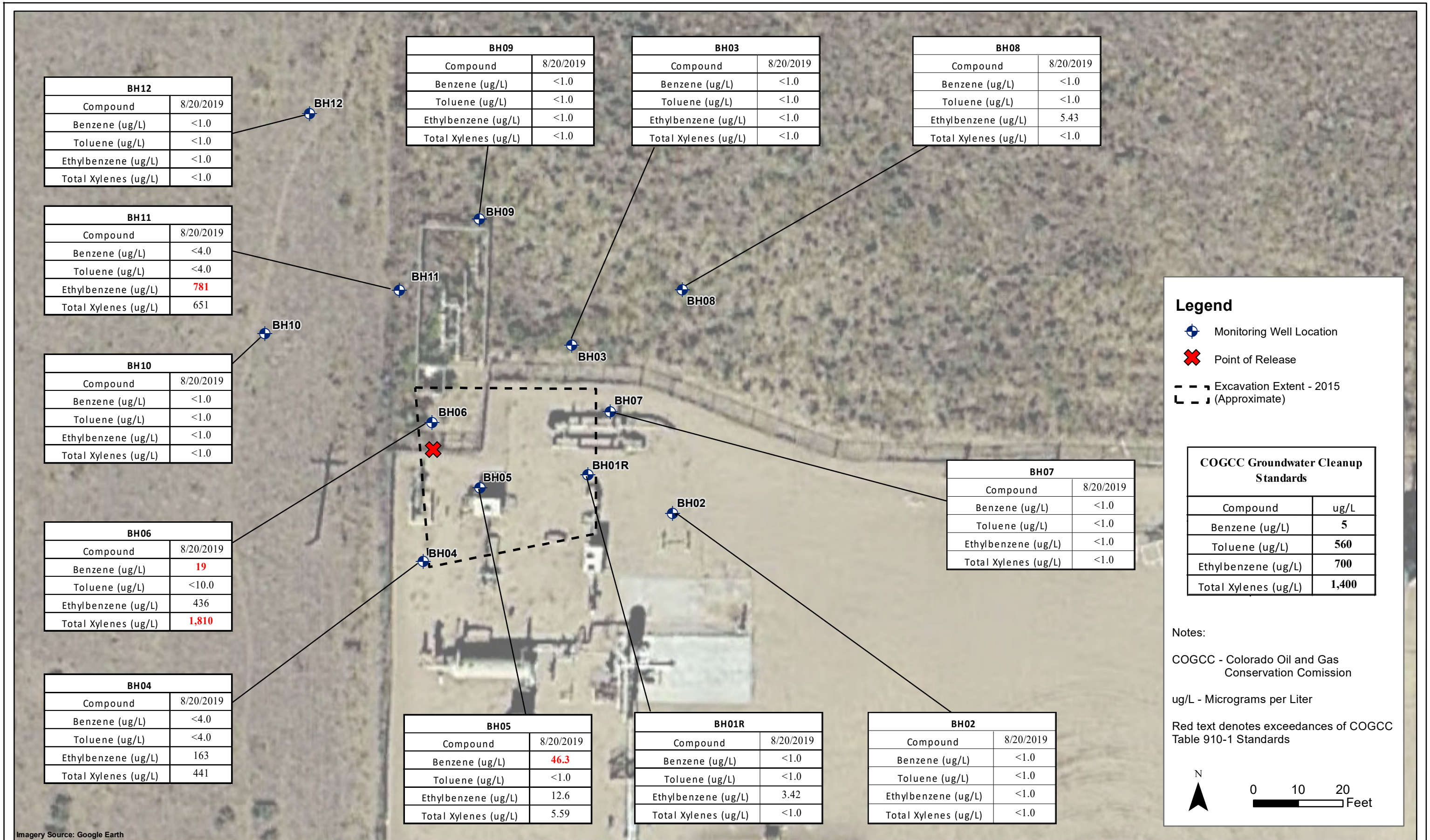
TASMAN
GEOSCIENCES

Tasman Geosciences, Inc
6855 W. 119th Ave
Broomfield, CO 80020

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

Groundwater Elevation
Contour Map
(August 20, 2019)

Figure
3



DATE:	October 2019
DESIGNED BY:	B. Humphrey
DRAWN BY:	J. Clonts



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

Groundwater Analytical Results
Map
(August 20, 2019)

Figure
4

August 26, 2019

Tasman Geosciences

Brian Humphrey

6899 Pecos Street, Unit C

Denver

CO 80211

Project Name - DCP - Tampa Compressor Station Project Number - [none]

Attached are your analytical results for DCP - Tampa Compressor Station received by Origins Laboratory, Inc. August 20, 2019. This project is associated with Origins project number Y908328-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH01R - 082019	Y908328-01	Water	August 20, 2019 12:10	08/20/2019 16:35
BH02 - 082019	Y908328-02	Water	August 20, 2019 12:20	08/20/2019 16:35
BH03 - 082019	Y908328-03	Water	August 20, 2019 12:38	08/20/2019 16:35
BH04 - 082019	Y908328-04	Water	August 20, 2019 12:32	08/20/2019 16:35
BH05 - 082019	Y908328-05	Water	August 20, 2019 12:56	08/20/2019 16:35
BH06 - 082019	Y908328-06	Water	August 20, 2019 12:55	08/20/2019 16:35
BH07 - 082019	Y908328-07	Water	August 20, 2019 12:44	08/20/2019 16:35
BH08 - 082019	Y908328-08	Water	August 20, 2019 12:22	08/20/2019 16:35
BH09 - 082019	Y908328-09	Water	August 20, 2019 12:30	08/20/2019 16:35
BH10 - 082019	Y908328-10	Water	August 20, 2019 12:32	08/20/2019 16:35
BH11 - 082019	Y908328-11	Water	August 20, 2019 12:47	08/20/2019 16:35
BH12 - 082019	Y908328-12	Water	August 20, 2019 12:19	08/20/2019 16:35

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

www.originslaboratory.com

Y608328

ORIGINS
LABORATORY, INC

page 1 of 2

Client: DCP-Midstream/Tasman
Address: 6855 W 119th Ave Bramfield
CO 80020
Telephone Number: 484-794-3328
Email Address: SWeathers@dcpmidstream.com

Project Manager: Steve Weathers
Project Name: Tampa Compressor Station
Project Number: n/a
Samples Collected By: Alison O. Morgan S. Gordon V.

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #		
64018-082019	08/20/19	1210	3	X				X			BTEX	1
64012-082019		1220	1									2
64013-082019		1238	1									3
64014-082019		1232	1									4
64015-082019		1256	1									5
64016-082019		1255	1									6
64017-082019		1244	1									7
64018-082019		1222	1									8
64019-082019		1230	1									9
64010-082019		1232	1									10
Relinquished By: [Signature]	Date: 8/20/19	Time: 1635	Time: 1635	Received By: [Signature]	Date: 8/20/19	Time: 1635	Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>					
Relinquished By:	Date:	Time:	Time:	Received By:	Date:	Time:						

Date Results Needed

5.7

Origins Laboratory, Inc.

Jefe Pellegrini

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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

www.originslaboratory.com

1408328

page 2 of 2

ORIGINS
LABORATORY, INC

Client: DCP-Midstream/Tasman
Address: 6855 W 119th Ave, Burnfield, CO 80020
Telephone Number: 484-794-3328
Email Address: sweath@dcpmidstream.com

Project Manager: Steve Weather's
Project Name: Tampa Compressor Station
Project Number: n/a
Samples Collected By: Alison D. Morgan S. Brennan

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix			Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air Summa Canister #			Other
BH11-082019	08/20/19	1247	1	X				X				OTEX	1
BH12-082019	08/20/19	1219	1	X				X				OTEX	2
													3
													4
													5
													6
													7
													8
													9
													10

Relinquished By: [Signature] Date: 8/20/19 Time: 1635
Relinquished By: [Signature] Date: 8/20/19 Time: 1635

Received By: [Signature] Date: 8/20/19 Time: 1635
Received By: [Signature] Date: 8/20/19 Time: 1635

Turnaround Time: 24 Hr ☐ Same Day ☐ 48 Hr ☐ 72 Hr ☐ Standard ☒

Date Results Needed

Origins Laboratory, Inc.

Jefe Pellegrini

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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 908328 Client: Tasman
Client Project ID: Tampa Compressor
Checklist Completed by: JG Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 8/21/2019 Airbill #: N/A
Matrix(s) Received: (Check all that apply): Soil/Solid ☒ Water ☐ Other: ☐
(Describe)
Cooler Number/Temperature: 1 / 5.7 °C / °C / °C / °C
Thermometer ID: T003

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water — is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Additional Comments (if any):				

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JG

Date/Time Reviewed 8/22/19

Origins Laboratory, Inc.

Jefe Pellegrini

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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH01R - 082019

8/20/2019 12:10:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-01 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9H2203	KDK	08/22/2019	08/22/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	3.42	1.00	"	"	"	KDK	"	"	
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	85.3 %	70-130			"	"	"
Surrogate: Toluene-d8	97.7 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	91.1 %	70-130			"	"	"

Origins Laboratory, Inc.



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.

Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH02 - 082019

8/20/2019 12:20:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-02 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9H2203	KDK	08/22/2019	08/22/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	86.5 %	70-130	"	"	"
Surrogate: Toluene-d8	97.8 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	92.7 %	70-130	"	"	"

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH03 - 082019

8/20/2019 12:38:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-03 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9H2203	KDK	08/22/2019	08/22/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	83.7 %	70-130	"	"	"
Surrogate: Toluene-d8	97.6 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	93.5 %	70-130	"	"	"

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH04 - 082019

8/20/2019 12:32:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-04 (Water)

BTEX by EPA 8260D

Benzene	ND	4.00	ug/L	4	B9H2203	KDK	08/22/2019	08/22/2019	U
Toluene	ND	4.00	"	"	"	KDK	"	"	U
Ethylbenzene	163	4.00	"	"	"	KDK	"	"	
Xylenes, total	441	4.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	83.9 %	70-130			"	"	"
Surrogate: Toluene-d8	96.3 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	93.2 %	70-130			"	"	"

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH05 - 082019

8/20/2019 12:56:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-05 (Water)

BTEX by EPA 8260D

Benzene	46.3	1.00	ug/L	1	B9H2203	KDK	08/22/2019	08/22/2019	
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	12.6	1.00	"	"	"	KDK	"	"	
Xylenes, total	5.59	1.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	84.1 %	70-130			"	"	"	"	
Surrogate: Toluene-d8	96.6 %	70-130			"	"	"	"	
Surrogate: 4-Bromofluorobenzene	93.1 %	70-130			"	"	"	"	

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH06 - 082019

8/20/2019 12:55:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-06 (Water)

BTEX by EPA 8260D

Benzene	19.0	10.0	ug/L	10	B9H2203	KDK	08/22/2019	08/22/2019	
Toluene	ND	10.0	"	"	"	KDK	"	"	U
Ethylbenzene	436	10.0	"	"	"	KDK	"	"	
Xylenes, total	1810	10.0	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	84.6 %	70-130			"	"	"	"
Surrogate: Toluene-d8	97.7 %	70-130			"	"	"	"
Surrogate: 4-Bromofluorobenzene	95.4 %	70-130			"	"	"	"

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH07 - 082019

8/20/2019 12:44:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-07 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9H2203	KDK	08/22/2019	08/22/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	82.5 %	70-130			"	"	"
Surrogate: Toluene-d8	96.6 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	92.9 %	70-130			"	"	"

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH08 - 082019

8/20/2019 12:22:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-08 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9H2203	KDK	08/22/2019	08/22/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	5.43	1.00	"	"	"	KDK	"	"	
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	85.0 %	70-130			"	"	"
Surrogate: Toluene-d8	97.8 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	92.8 %	70-130			"	"	"

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH09 - 082019

8/20/2019 12:30:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-09 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9H2301	KDK	08/23/2019	08/23/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	84.1 %	70-130	"	"	"
Surrogate: Toluene-d8	106 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	99.5 %	70-130	"	"	"

Origins Laboratory, Inc.



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.

Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH10 - 082019

8/20/2019 12:32:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-10 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9H2301	KDK	08/23/2019	08/23/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	83.5 %	70-130	"	"	"
Surrogate: Toluene-d8	108 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	102 %	70-130	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH11 - 082019

8/20/2019 12:47:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-11 (Water)

BTEX by EPA 8260D

Benzene	ND	4.00	ug/L	4	B9H2301	KDK	08/23/2019	08/23/2019	U
Toluene	ND	4.00	"	"	"	KDK	"	"	U
Ethylbenzene	781	4.00	"	"	"	KDK	"	"	
Xylenes, total	651	4.00	"	"	"	KDK	"	"	

Surrogate: 1,2-Dichloroethane-d4	83.0 %	70-130			"	"	"
Surrogate: Toluene-d8	106 %	70-130			"	"	"
Surrogate: 4-Bromofluorobenzene	97.4 %	70-130			"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

BH12 - 082019

8/20/2019 12:19:00PM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc.
Y908328-12 (Water)

BTEX by EPA 8260D

Benzene	ND	1.00	ug/L	1	B9H2301	KDK	08/23/2019	08/23/2019	U
Toluene	ND	1.00	"	"	"	KDK	"	"	U
Ethylbenzene	ND	1.00	"	"	"	KDK	"	"	U
Xylenes, total	ND	1.00	"	"	"	KDK	"	"	U

Surrogate: 1,2-Dichloroethane-d4	84.1 %	70-130	"	"	"
Surrogate: Toluene-d8	106 %	70-130	"	"	"
Surrogate: 4-Bromofluorobenzene	98.7 %	70-130	"	"	"

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9H2203 - EPA 5030B (Water)										
Blank (B9H2203-BLK1)					Prepared: 08/22/2019 Analyzed: 08/22/2019					
Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	54		"	62.5		85.8	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	57		"	62.5		91.1	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9H2203 - EPA 5030B (Water)

LCS (B9H2203-BS1)

Prepared: 08/22/2019 Analyzed: 08/22/2019

Benzene	47.3	1.00	ug/L	50.0		94.7	70-130			
Toluene	54.0	1.00	"	50.0		108	70-130			
Ethylbenzene	46.0	1.00	"	50.0		91.9	70-130			
m,p-Xylene	91.6	2.00	"	100		91.6	70-130			
o-Xylene	44.0	1.00	"	50.0		88.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	50		"	62.5		80.7	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.3	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.0	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9H2203 - EPA 5030B (Water)

Matrix Spike (B9H2203-MS1)		Source: Y908330-24			Prepared: 08/22/2019 Analyzed: 08/22/2019					
Benzene	46.8	1.00	ug/L	50.0	ND	93.6	70-130			
Toluene	54.6	1.00	"	50.0	ND	109	70-130			
Ethylbenzene	45.9	1.00	"	50.0	ND	91.8	70-130			
m,p-Xylene	90.3	2.00	"	100	ND	90.3	70-130			
o-Xylene	44.4	1.00	"	50.0	ND	88.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	51		"	62.5		82.1	70-130			
Surrogate: Toluene-d8	61		"	62.5		98.4	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.0	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B9H2203 - EPA 5030B (Water)										
Matrix Spike Dup (B9H2203-MSD1)			Source: Y908330-24			Prepared: 08/22/2019 Analyzed: 08/22/2019				
Benzene	49.7	1.00	ug/L	50.0	ND	99.5	70-130	6.07	20	
Toluene	56.3	1.00	"	50.0	ND	113	70-130	2.96	20	
Ethylbenzene	48.5	1.00	"	50.0	ND	96.9	70-130	5.45	20	
m,p-Xylene	96.7	2.00	"	100	ND	96.7	70-130	6.89	20	
o-Xylene	46.3	1.00	"	50.0	ND	92.6	70-130	4.26	20	
Surrogate: 1,2-Dichloroethane-d4	51		"	62.5		81.9	70-130			
Surrogate: Toluene-d8	61		"	62.5		97.5	70-130			
Surrogate: 4-Bromofluorobenzene	59		"	62.5		94.4	70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9H2301 - EPA 5030B (Water)

Blank (B9H2301-BLK1)

Prepared: 08/23/2019 Analyzed: 08/23/2019

Benzene	ND	1.00	ug/L							U
Toluene	ND	1.00	"							U
Ethylbenzene	ND	1.00	"							U
Xylenes, total	ND	1.00	"							U
Surrogate: 1,2-Dichloroethane-d4	53		"	62.5	84.3		70-130			
Surrogate: Toluene-d8	67		"	62.5	108		70-130			
Surrogate: 4-Bromofluorobenzene	64		"	62.5	103		70-130			

Origins Laboratory, Inc.



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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9H2301 - EPA 5030B (Water)

LCS (B9H2301-BS1)

Prepared: 08/23/2019 Analyzed: 08/23/2019

Benzene	55.1	1.00	ug/L	50.0		110	70-130			
Toluene	57.4	1.00	"	50.0		115	70-130			
Ethylbenzene	57.2	1.00	"	50.0		114	70-130			
m,p-Xylene	112	2.00	"	100		112	70-130			
o-Xylene	55.0	1.00	"	50.0		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	52		"	62.5		82.6	70-130			
Surrogate: Toluene-d8	64		"	62.5		103	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		95.3	70-130			

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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9H2301 - EPA 5030B (Water)

Matrix Spike (B9H2301-MS1)		Source: Y908328-09			Prepared: 08/23/2019 Analyzed: 08/23/2019					
Benzene	45.1	1.00	ug/L	50.0	ND	90.3	70-130			
Toluene	48.9	1.00	"	50.0	ND	97.9	70-130			
Ethylbenzene	48.0	1.00	"	50.0	0.120	95.8	70-130			
m,p-Xylene	93.8	2.00	"	100	0.300	93.5	70-130			
o-Xylene	46.1	1.00	"	50.0	ND	92.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	50		"	62.5		79.9	70-130			
Surrogate: Toluene-d8	67		"	62.5		107	70-130			
Surrogate: 4-Bromofluorobenzene	63		"	62.5		101	70-130			

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Tasman Geosciences
6899 Pecos Street, Unit C
Denver CO 80211

Brian Humphrey
Project Number: [none]
Project: DCP - Tampa Compressor Station

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B9H2301 - EPA 5030B (Water)

Matrix Spike Dup (B9H2301-MSD1)		Source: Y908328-09			Prepared: 08/23/2019 Analyzed: 08/23/2019					
Benzene	57.0	1.00	ug/L	50.0	ND	114	70-130	23.1	20	QR-02
Toluene	60.5	1.00	"	50.0	ND	121	70-130	21.2	20	QR-02
Ethylbenzene	60.3	1.00	"	50.0	0.120	120	70-130	22.7	20	QR-02
m,p-Xylene	117	2.00	"	100	0.300	117	70-130	22.4	20	QR-02
o-Xylene	57.8	1.00	"	50.0	ND	116	70-130	22.5	20	QR-02
Surrogate: 1,2-Dichloroethane-d4	50		"	62.5		80.2	70-130			
Surrogate: Toluene-d8	65		"	62.5		104	70-130			
Surrogate: 4-Bromofluorobenzene	60		"	62.5		96.3	70-130			

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Jen Pellegrini For Noelle Doyle Mathis, President

Tasman Geosciences

6899 Pecos Street, Unit C

Denver CO 80211

Brian Humphrey

Project Number: [none]

Project: DCP - Tampa Compressor Station

Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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