Stantec

2021 ANNUAL GROUNDWATER MONITORING REPORT

Blanco Plant – South Flare Pit and
D Plant Areas

NMOCD Incident No. nAPP2110640022

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March 2021

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Abbreviations

Bgs	below ground surface
DTP	depth to product
DTW	depth to water
EPA	U.S. Environmental Protection Agency
EPNG	El Paso Natural Gas Company, LLC
LNAPL	light non-aqueous phase liquid
mg/L	milligrams per liter
MW	monitoring well
NMOCD	New Mexico Oil Conservation Division
NMWQCC	New Mexico Water Quality Control Commission
PCE	Tetrachloroethene
QC	quality control
TCE	Trichloroethene
VOC	volatile organic compound

1.0 INTRODUCTION

This 2021 Annual Groundwater Monitoring Report has been prepared on behalf of El Paso Natural Gas Company, LLC (EPNG) to present the results of the 2021 annual groundwater monitoring activities at the Blanco Gas Plant South Flare Pit (SFP) and D Plant Areas (Site).

The Site is currently regulated by the New Mexico Oil Conservation Division (NMOCD) and is located at 81 Road 4900 in Bloomfield, San Juan County, New Mexico. Annual groundwater sampling is typically conducted in the fourth calendar quarter. The Site location is shown in Figure 1 and the Site plan is shown in Figure 2. The 2021 groundwater sampling event was performed by Stantec Consulting Services, Inc. (Stantec), on behalf of EPNG.

2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

The Blanco South site (the Site) is located approximately 1.5 miles northeast of central Bloomfield, New Mexico. The San Juan River is roughly 2 miles south of the Site. Citizens Ditch, a local irrigation canal, is located immediately south of the Blanco Plant. The subject impacted areas of the Site (SFP and D Plant Areas) are located within the fenced boundary of the Blanco Gas Plant, which is currently operating as a natural gas processing and distribution facility. The D Plant Area is in an active operations area and the SFP is located on the southern portion of the facility outside of the active gas processing area. The SFP was closed in November-December 1992. In 2003, the majority of the Blanco Gas Plant was sold by EPNG to Enterprise Products (Enterprise). Kinder Morgan, the parent company of EPNG, currently operates a portion of the compression facilities at the Site. Properties adjacent to the Site include the following:

- North – County Road 4900, natural gas processing and distribution facilities, and the former North Flare Pit.
- South – Citizens Ditch (public water supply diversion ditch) and agricultural/residential land.
- East – Natural gas processing and distribution facilities.
- West – Natural gas processing and distribution facilities.

2.2 SITE HISTORY

Bechtel Environmental (Bechtel, 1989) initially assessed the hydrogeology at the Site during a 1988 Investigation. During the investigation, six monitoring wells were installed and sampled for nitrate/nitrite. Elevated nitrate concentrations were found in samples collected in upgradient monitoring well MW-2 and onsite monitoring well MW-6. This report concluded that the high nitrate concentrations found in upgradient monitoring well MW-2 were not the result of the Blanco Gas Plant operations.

In 1990, a study was conducted by K.W. Brown and Associates, Inc. (K.W. Brown, 1990) to investigate the extent of contamination in the D Plant Area due to a leaking underground storage tank. As part of this study, the source of elevated nitrate in groundwater was further investigated. Off-site monitoring well MW-19 was installed north of MW-2. Based on the results, elevated nitrate concentrations were found in MW-2, MW-19, MW-14, and MW-15. Monitoring wells MW-2 and MW-19 became part of the Blanco North site and were abandoned in 2017. An inspection of the Blanco Gas Plant was performed during the investigation to determine a potential nitrate source; however, no sources were identified.

In 2003, MWH Americas, Inc. (MWH, 2012) conducted a study of area background nitrate data to determine a potential source. The study determined that evaporites present at the Blanco Gas Plant can produce elevated nitrate concentrations in leachate. The study also determined that several products used in the Blanco Gas Plant operations were composed of nitrates and nitrites. However, no major releases of such products were identified. In addition, during the 1990s, fertilizer was commonly used for the in-situ remediation of residual petroleum hydrocarbons. The 2003 nitrate study concluded that groundwater monitoring should be conducted annually.

In 2015, CH2M (now Jacobs) installed additional monitoring wells at the Site to evaluate the nature and extent of volatile organic compounds (VOCs) and nitrate in groundwater at the D Plant Area and nitrate in groundwater on the southern portion of the Site, including the former SFP. Monitoring wells MW-71, MW-72, MW-73, MW-74, MW-75, MW-76, MW-77, MW-78, MW-79, MW-80, and MW-81 were installed. The findings indicated that the VOCs in the D Plant Area

were limited to a small central area and the only exceedance of a New Mexico Water Quality Control Commission (NMWQCC) standard was for 1,1-dichloroethane at MW-13. There were several exceedances of the NMWQCC standard for nitrate in the D Plant Area. Nitrate exceedances of the NMWQCC standard were found throughout the southern portion of the Site, including at the former SFP, however, the nitrate did not exceed standards in the downgradient wells, indicating that the limits of the nitrate exceedances in groundwater were delineated onsite. The findings of that investigation were presented in a Site Characterization Report (CH2M, 2016).

The results of annual groundwater sampling have been documented in annual groundwater monitoring reports submitted to the NMOCD.

2.3 GEOLOGY AND HYDROGEOLOGY

Bechtel Environmental (Bechtel, 1989) and K.W Brown and Associates (K.W. Brown, 1990) summarized the geology and hydrogeology beneath the Blanco Gas Plant during their 1988 and 1990 investigations. According to the investigation results, the plant area is located on Quaternary alluvium consisting of sand, silt, clay, and gravel. The alluvium varies in thickness from less than 3 feet to more than 75 feet (Bechtel, 1989). Beneath the alluvium is the Tertiary Nacimiento Formation, consisting of interbedded, coarse to medium-grained arkosic sandstone, siltstone, and shale; both characterized as channel fill and floodplain deposits. The channel-fill sandstone may locally dictate groundwater flow due to higher hydraulic conductivities in these units.

The direction of groundwater flow was determined to be to the south, towards the San Juan River (Bechtel, 1989). The average hydraulic conductivity was estimated to be 2.1 x 10^{-4} centimeters per second. Depth to groundwater in monitoring wells constructed within a relict channel (e.g., MW-2) was approximately 50 feet below ground surface (bgs). Depth to groundwater in monitoring wells constructed in the Nacimiento Formation (e.g., MW-10) was approximately 9 feet bgs. The results of the Bechtel Environmental investigation were generally consistent with the findings of the K.W. Brown and Associates investigation.

Historically, the groundwater flow direction of the D Plant Area and South Flare Pit have been presented separately from the former North Flare Pit property to the north. Beginning in 2017, it was determined that the potentiometric surface from the North Flare Pit property and the SFP and D Plant Areas should be depicted together when evaluating the groundwater flow direction.

3.0 GROUNDWATER MONITORING ACTIVITIES

Stantec conducted annual groundwater monitoring at the Blanco Gas Plant South Flare Pit (SFP) and D Plant Areas (D Plant Areas) Site in November 2021. Stantec provided a field work notification via email to the NMOCD on November 3, 2021, prior to initiating sampling and monitoring activities at the Site. A copy of the 2021 NMOCD notification is provided in Appendix A.

The following sections summarize the activities conducted during 2021.

3.1 DEPTH TO WATER MEASUREMENTS

Site-wide groundwater gauging activities were performed on November 9, 2021, and groundwater elevations at nineteen (19) EPNG monitoring wells (MW-8, MW-12 through MW-15, MW-28, MW-29, MW-30, and MW-71 through MW-81) were measured.. Monitoring wells MW-12 through MW-15, and MW-71, are associated with the D Plant Area, while the remaining monitoring wells are associated with the SFP. The monitoring wells associated with the North Flare Pit portion of the Blanco Plant were also gauged on November 9, 2021, to evaluate groundwater elevations across both the north and south portions of the Blanco Plant.

Well gauging was completed using an oil-water interface probe. The depth to water (DTW) and depth to product (DTP), as applicable, were measured at each of the accessed monitoring wells. Light non-aqueous phase liquids (LNAPL) were not encountered during gauging or subsequent sampling at the SFP or D Plant Area. The 2021 groundwater gauging data and resulting groundwater elevations are included with historical gauging results on Table 1.

3.2 GROUNDWATER SAMPLING

Following collection of gauging data, on November 9, 2021, groundwater samples were collected from the EPNG monitoring wells using HydraSleeve samplers. The HydraSleeves used to collect the groundwater samples were installed in the site monitoring wells following the November 2020 annual groundwater sampling event. Following sampling activities, Stantec installed new HydraSleeves to facilitate future groundwater sampling at these locations.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to the Eurofins TestAmerica analytical laboratory (Eurofins), located in Pensacola, Florida. One laboratory-supplied trip blank, and two blind field duplicate samples, were also collected during the groundwater sampling event. The groundwater samples were analyzed for nitrate using Method E300.0. Groundwater samples collected from monitoring wells in the D-Plant Area (MW-12, MW-13, MW-14, MW-15, and MW-71) were also analyzed for selected VOCs using United States Environmental Protection Agency (EPA) Method 8260B.

Except for wastewater generated during the sampling of the five monitoring wells in the D Plant Area, excess groundwater and other wastewater generated during the groundwater sampling event was containerized and transported to Basin Disposal, Inc. located in Bloomfield, New Mexico, for treatment and disposal. Waste disposal documentation is included as Appendix B. Any excess water generated during the sampling of monitoring wells MW-12 through MW-15 and MW-71 was sent with the samples to Eurofins.

Groundwater analytical data were subjected to a validation process to review data quality and analytical methods used. The data review focused on the potential impact of laboratory performance and matrix effects on the validity of the analytical results. During the review, sample results that did not meet quality control (QC) acceptance criteria were qualified with flags to indicate a potential problem with the data, as noted on the groundwater analytical data summary tables (Tables 2 and 3). The Stantec data validation report, and associated level IV data packages from Eurofins, are available upon request.

4.0 GROUNDWATER RESULTS

4.1 GROUNDWATER ELEVATION AND GRADIENT

Groundwater elevations determined from the November 9, 2021 gauging event indicate the apparent groundwater flow direction across the Site is generally to the south and southeast, as depicted on Figure 3. The groundwater elevation trends across the Blanco Plant are generally consistent with the previous gauging event in November 2020.

4.2 GROUNDWATER ANALYTICAL RESULTS

Tables 2 and 3 summarize the annual groundwater analytical results for VOCs and nitrates, respectively. The analytical laboratory report is included as Appendix C. As reported in Appendix C, constituents:

- 1,1-dichloroethane (1,1-DCA) was not detected at or above the NMWQCC Standard (0.025 milligrams per liter [mg/L]) in the samples collected from the five monitoring wells for analysis of VOCs.
- 1,2-dichlorobenzene (1,1-DCB) was detected in one of the five monitoring wells sampled and analyzed for VOCs, at a concentration of 0.0051 mg/L (MW-13). A NMWQCC standard for 1,1-DCB has not been established.
- Cis-1,2-dichloroethene (cis-1,2-DCE) was not detected at or above the NMWQCC Standard (0.070 mg/L) in the samples collected from the five monitoring wells for analysis of VOCs.
- Trichloroethene (TCE) was detected above the NMWQCC Standard (0.1 mg/L) in one of the five monitoring wells sampled and analyzed for VOCs, at a concentration of 0.028 mg/L (MW-13).
- Tetrachloroethene (PCE) was not detected at or above the NMWQCC Standard (0.02 mg/L) in the samples collected from the five monitoring wells for analysis of VOCs.
- Nitrate was detected at concentrations exceeding the NMWQCC standard (10 mg/L) in the samples collected from monitoring wells MW-15 (17 mg/L), MW-28 (39 mg/L), MW-29 (73 mg/L), MW-71 (14 mg/L), MW-73 (23 mg/L), MW-75 (54 mg/L), MW-77 (48 mg/L), MW-78 (36 mg/L), MW-80 (74 mg/L), and MW-81 (40 mg/L). Nitrate was either not detected or detected at concentrations below the standard in the remaining site wells.

Field duplicate samples were collected from monitoring wells MW-14 and MW-28 during the 2021 sampling event. No significant differences were noted between the primary and the duplicate samples.

Figure 4 depicts the nitrate concentrations in groundwater samples collected in November 2021.

5.0 PLANNED FUTURE ACTIVITIES

Annual groundwater monitoring is to continue in 2022. Groundwater samples will be collected from the nineteen site monitoring wells. Field duplicates and a trip blank will also be collected during the groundwater sampling event. The groundwater samples, and field duplicates will be analyzed for nitrate using Method 300.0. Monitoring wells MW-12 through MW-15, MW-71, one duplicate sample, and the trip blank will also be analyzed for VOCs.

The activities completed in 2022 and their results will be summarized in the 2022 Annual Report, to be submitted by April 1, 2023.

6.0 REFERENCES

Bechtel Environmental, 1989. Groundwater Investigation Report, El Paso Natural Gas Company's Blanco Plant, San Juan County, New Mexico. January 1989.

CH2M, 2016. Site Characterization Report, Blanco Plant South Flare Pit and D Plant Areas, Bloomfield, New Mexico. March 2016.

Jacobs, 2020. 2019 Annual Groundwater Monitoring Report, Blanco Gas Plant – South Flare Pit and D Plant Area, Bloomfield, New Mexico. March 2020.

K.W. Brown and Associates, Inc., 1990. Site Investigation of the Blanco Plant, San Juan County, New Mexico. Prepared for El Paso Natural Gas Company. February 1990.

MWH, 2012. 2011 Groundwater Report for the Blanco Plant South Flare Pit and D Plant Areas. March 2012.

TABLES

Table 1
Groundwater Elevation Data
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-8	**5581.61**	9/23/1988	28.79	5552.82
		1/8/1990	26.47	5555.14
		6/18/1991	NA	NA
		2/19/1993	NA	NA
		6/7/1993	NA	NA
		9/27/1993	NA	NA
		1/27/1994	NA	NA
		11/10/2000	NA	NA
		3/23/2001	NA	NA
		8/28/2001	35.76	5545.85
		5/28/2002	NA	NA
		6/3/2003	34.05	5547.56
		5/17/2004	34.41	5547.20
		5/31/2005	34.66	5546.95
		6/8/2006	34.69	5546.92
		6/20/2007	33.60	5548.01
		5/22/2008	33.22	5548.39
		5/28/2009	33.96	5547.65
		5/25/2010	34.40	5547.21
		10/19/2011	Dry	Dry
		12/18/2013	Dry	Dry
		12/15/2014	NM	NM
		12/16/2015	Dry	Dry
		12/14/2016	29.31	5552.30
		11/15/2017	32.06	5549.55
		1/28/2018	32.30	5549.31
		11/15/2018	29.54	5552.07
		4/16/2019	26.38	5555.23
		9/23/2019	26.82	5554.79
		10/15/2019	26.05	5555.56
		11/17/2020	28.41	5553.20
		11/9/2021	31.23	5550.38
MW-12	**5605.04**	5/28/2002	20.95	5584.09
		6/3/2003	16.99	5588.05
		5/17/2004	16.59	5588.45
		5/31/2005	15.65	5589.39
		6/8/2006	18.62	5586.42
		6/20/2007	16.55	5588.49
		5/22/2008	16.04	5589.00
		5/28/2009	17.20	5587.84
		5/24/2010	15.90	5589.14
		10/19/2011	16.94	5588.10
		12/18/2013	18.02	5587.02
		12/15/2014	18.50	5586.54
		2/10/2015	18.32	5586.72
		12/16/2015	17.13	5587.91
		12/14/2016	16.15	5588.89
		11/15/2017	17.08	5587.96
		1/29/2018	19.21	5585.83
		11/15/2018	18.46	5586.58
		4/16/2019	15.91	5589.13
		9/23/2019	16.49	5588.55
		10/15/2019	16.98	5588.06
		11/17/2020	18.20	5586.84
		11/9/2021	17.61	5587.43

Table 1
Groundwater Elevation Data
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-13	**5600.64**	5/28/2002	16.76	5583.88
		6/3/2003	14.44	5586.20
		5/17/2004	14.12	5586.52
		5/31/2005	13.43	5587.21
		6/8/2006	15.60	5585.04
		6/20/2007	14.33	5586.31
		5/22/2008	13.91	5586.73
		5/28/2009	14.55	5586.09
		5/25/2010	14.60	5586.04
		10/19/2011	13.65	5586.99
		12/18/2013	14.95	5585.69
		12/15/2014	15.17	5585.47
		2/10/2015	14.35	5586.29
		12/16/2015	14.38	5586.26
		12/14/2016	13.77	5586.87
		11/15/2017	14.26	5586.38
		1/28/2018	15.52	5585.12
		11/15/2018	15.90	5584.74
		4/16/2019	13.20	5587.44
		9/23/2019	13.81	5586.83
		10/15/2019	14.24	5586.40
		11/17/2020	15.09	5585.55
		11/9/2021	14.67	5585.97
MW-14	**5601.54**	5/28/2002	21.57	5579.97
		6/3/2003	19.85	5581.69
		5/17/2004	19.78	5581.76
		5/31/2005	18.81	5582.73
		6/8/2006	20.03	5581.51
		6/20/2007	18.43	5583.11
		5/22/2008	16.20	5585.34
		5/28/2009	16.30	5585.24
		5/25/2010	15.55	5585.99
		10/19/2011	15.03	5586.51
		12/18/2013	15.90	5585.64
		12/15/2014	16.06	5585.48
		2/10/2015	15.55	5585.99
		12/16/2015	15.42	5586.12
		12/14/2016	14.91	5586.63
		11/15/2017	15.35	5586.19
		1/28/2018	16.62	5584.92
		11/15/2018	16.00	5585.54
		4/16/2019	14.35	5587.19
		9/23/2019	14.91	5586.63
		10/15/2019	15.19	5586.35
		11/17/2020	16.13	5585.41
		11/9/2021	15.64	5585.90
MW-15	**5599.82**	5/28/2002	20.33	5579.49
		6/3/2003	18.85	5580.97
		5/17/2004	18.48	5581.35
		5/31/2005	17.80	5582.02
		6/8/2006	19.68	5580.14
		6/20/2007	18.83	5580.99
		5/22/2008	18.12	5581.70
		5/28/2009	18.83	5580.99
		5/25/2010	18.53	5581.29
		10/19/2011	18.02	5581.80
		12/18/2013	19.24	5580.58
		12/15/2014	19.29	5580.53
		2/10/2015	19.56	5580.26
		12/16/2015	18.45	5581.37
		12/14/2016	18.92	5580.90
		11/15/2017	18.80	5581.02

Table 1
Groundwater Elevation Data
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-15 (cont.)	**5599.82**	1/28/2018	19.88	5579.94
		11/15/2018	19.42	5580.40
		4/16/2019	19.45	5580.37
		9/23/2019	18.66	5581.16
		10/15/2019	18.81	5581.01
		11/17/2020	19.41	5580.41
		11/9/2021	19.01	5580.81
MW-28	**5575.88**	10/7/1993	23.12	5552.76
		2/2/1994	NA	NA
		8/20/1994	NA	NA
		12/20/1994	NA	NA
		2/16/1995	NA	NA
		8/10/2000	NA	NA
		11/10/2000	NA	NA
		3/23/2001	NA	NA
		8/28/2001	NA	NA
		5/28/2002	NA	NA
		6/3/2003	29.68	5546.20
		5/17/2004	30.71	5545.17
		5/31/2005	30.22	5545.66
		6/8/2006	29.30	5546.58
		6/20/2007	28.58	5547.30
		5/22/2008	29.04	5546.84
		5/28/2009	28.66	5547.22
		5/25/2010	29.79	5546.09
		10/19/2011	27.47	5548.41
		12/18/2013	27.90	5547.98
		12/15/2014	27.80	5548.08
		2/10/2015	28.84	5547.04
		12/16/2015	26.38	5549.50
		12/14/2016	27.71	5548.17
		11/15/2017	26.25	5549.63
		1/28/2018	27.82	5548.06
		11/15/2018	31.62	5544.26
		4/16/2019	30.01	5545.87
		9/23/2019	27.21	5548.67
		10/15/2019	27.05	5548.83
		11/17/2020	25.92	5549.96
		11/9/2021	25.83	5550.05
MW-29	**5578.40**	10/7/1993	26.40	5552.00
		2/2/1994	NA	NA
		8/20/1994	NA	NA
		12/20/1994	NA	NA
		2/16/1995	NA	NA
		8/10/2000	NA	NA
		11/10/2000	NA	NA
		3/26/2001	NA	NA
		8/28/2001	NA	NA
		5/28/2002	NA	NA
		6/3/2003	31.86	5546.54
		5/17/2004	32.21	5546.19
		5/31/2005	32.21	5546.19
		6/8/2006	31.77	5546.63
		6/20/2007	30.86	5547.54
		5/22/2008	30.17	5548.23
		5/28/2009	31.80	5546.60
		5/25/2010	31.87	5546.53
		10/19/2011	30.02	5548.38
		12/18/2013	30.75	5547.65
		12/15/2014	30.86	5547.54

Table 1
Groundwater Elevation Data
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-29 (cont.)	**5578.40**	2/10/2015	31.69	5546.71
		12/16/2015	29.65	5548.75
		12/14/2016	29.65	5548.75
		11/15/2017	29.10	5549.30
		1/28/2018	30.69	5547.71
		11/15/2018	29.39	5549.01
		4/16/2019	32.32	5546.08
		9/23/2019	29.85	5548.55
		10/15/2019	29.72	5548.68
		11/17/2020	29.03	5549.37
		11/9/2021	28.89	5549.51
MW-30	**5578.39**	10/7/1993	25.63	5552.76
		2/2/1994	NA	NA
		8/20/1994	NA	NA
		2/16/1995	NA	NA
		8/10/2000	NA	NA
		11/10/2000	NA	NA
		3/26/2001	NA	NA
		8/28/2001	NA	NA
		5/28/2002	NA	NA
		6/3/2003	NA	NA
		5/17/2004	32.21	5546.18
		5/31/2005	32.28	5546.11
		6/8/2006	31.74	5546.65
		6/20/2007	31.01	5547.38
		5/22/2008	31.20	5547.19
		5/28/2009	31.85	5546.54
		5/25/2010	31.91	5546.48
		10/19/2011	30.24	5548.15
		12/18/2013	30.55	5547.84
		12/15/2014	30.46	5547.93
		2/10/2015	30.46	5547.93
		12/16/2015	28.55	5549.84
		12/14/2016	29.26	5549.13
		11/15/2017	28.81	5549.58
		1/28/2018	30.09	5548.30
		11/15/2018	29.25	5549.14
		4/16/2019	31.86	5546.53
		9/23/2019	29.94	5548.45
		10/15/2019	29.80	5548.59
		11/17/2020	28.43	5549.96
		11/9/2021	28.51	5549.88
MW-71	**5596.32**	2/10/2015	25.14	5571.18
		12/16/2015	21.80	5574.52
		12/14/2016	23.71	5572.61
		11/15/2017	22.40	5573.92
		1/28/2018	24.26	5572.06
		11/15/2018	24.85	5571.47
		4/16/2019	26.95	5569.37
		9/23/2019	23.69	5572.63
		10/15/2019	23.78	5572.54
		11/17/2020	24.78	5571.54
		11/9/2021	24.41	5571.91
MW-72	**5569.51**	2/11/2015	20.90	5548.61
		12/16/2015	18.66	5550.85
		12/14/2016	17.89	5551.62
		11/15/2017	17.94	5551.57
		1/28/2018	20.55	5548.96
		11/15/2018	18.46	5551.05
		4/16/2019	21.30	5548.21
		9/23/2019	18.58	5550.93
		10/15/2019	18.65	5550.86
		11/17/2020	17.71	5551.80
		11/9/2021	17.22	5552.29

Table 1
Groundwater Elevation Data
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-73	**5578.70**	2/11/2015	31.80	5546.90
		12/16/2015	29.56	5549.14
		12/14/2016	29.64	5549.06
		11/15/2017	29.13	5549.57
		1/28/2018	30.63	5548.07
		11/15/2018	29.50	5549.20
		4/16/2019	32.35	5546.35
		9/23/2019	29.95	5548.75
		10/15/2019	29.83	5548.87
		11/17/2020	28.99	5549.71
		11/9/2021	28.91	5549.79
MW-74	**5571.47**	2/11/2015	25.90	5545.57
		12/16/2015	23.88	5547.59
		12/14/2016	23.41	5548.06
		11/15/2017	22.73	5548.74
		1/28/2018	25.15	5546.32
		11/15/2018	22.75	5548.72
		4/16/2019	28.84	5542.63
		9/23/2019	22.88	5548.59
		10/15/2019	22.75	5548.72
		11/17/2020	21.12	5550.35
		11/9/2021	21.77	5549.70
MW-75	**5582.66**	2/10/2015	34.17	5548.49
		12/16/2015	32.28	5550.38
		12/14/2016	31.49	5551.17
		11/15/2017	32.06	5550.60
		1/28/2018	32.69	5549.97
		11/15/2018	29.60	5553.06
		4/16/2019	27.15	5555.51
		9/23/2019	27.12	5555.54
		10/15/2019	26.56	5556.10
		11/17/2020	29.95	5552.71
		11/9/2021	32.22	5550.44
MW-76	**5567.13**	2/11/2015	19.53	5547.60
		12/16/2015	16.20	5550.93
		12/14/2016	16.51	5550.62
		11/15/2017	15.81	5551.32
		1/28/2018	19.35	5547.78
		11/15/2018	15.48	5551.65
		4/16/2019	19.19	5547.94
		9/23/2019	14.26	5552.87
		10/15/2019	14.71	5552.42
		11/17/2020	15.05	5552.08
		11/9/2021	14.12	5553.01
MW-77	**5574.52**	2/11/2015	24.55	5549.97
		12/16/2015	22.00	5552.52
		12/14/2016	15.67	5558.85
		11/15/2017	21.39	5553.13
		1/28/2018	23.48	5551.04
		11/15/2018	23.20	5551.32
		4/16/2019	23.39	5551.13
		9/23/2019	23.52	5551.00
		10/15/2019	23.59	5550.93
		11/17/2020	22.48	5552.04
		11/9/2021	22.40	5552.12
MW-78	**5576.27**	2/11/2015	29.58	5546.69
		12/16/2015	26.67	5549.60
		12/14/2016	27.63	5548.64
		11/15/2017	26.30	5549.97
		1/28/2018	28.41	5547.86
		11/15/2018	26.73	5549.54
		4/16/2019	30.01	5546.26
		9/23/2019	27.33	5548.94
		10/15/2019	27.30	5548.97
		11/17/2020	25.99	5550.28
		11/9/2021	25.92	5550.35

Table 1
Groundwater Elevation Data
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-79	**5583.35**	2/11/2015	35.67	5547.68
		12/16/2015	33.73	5549.62
		12/14/2016	33.74	5549.61
		11/15/2017	33.17	5550.18
		1/28/2018	34.35	5549.00
		11/15/2018	33.57	5549.78
		4/16/2019	35.96	5547.39
		9/23/2019	34.12	5549.23
		10/15/2019	33.98	5549.37
		11/17/2020	33.39	5549.96
		11/9/2021	33.29	5550.06
MW-80	**5587.40**	2/10/2015	29.43	5557.97
		12/16/2015	26.65	5560.75
		12/14/2016	28.82	5558.58
		11/15/2017	27.49	5559.91
		1/28/2018	28.81	5558.59
		11/15/2018	30.50	5556.90
		4/16/2019	30.51	5556.89
		9/23/2019	27.50	5559.90
		10/15/2019	27.56	5559.84
		11/17/2020	30.90	5556.50
		11/9/2021	31.70	5555.70
MW-81	**5576.50**	2/11/2015	30.25	5546.25
		12/16/2015	28.03	5548.47
		12/14/2016	27.95	5548.55
		11/15/2017	27.39	5549.11
		1/28/2018	29.08	5547.42
		11/15/2018	27.78	5548.72
		4/16/2019	30.78	5545.72
		9/23/2019	28.10	5548.40
		10/15/2019	27.98	5548.52
		11/17/2020	27.25	5549.25
		11/9/2021	27.03	5549.47

Notes:
Data from monitoring wells abandoned prior to 2018 have been removed from the table
NA = Historical data is not available
NM = Not measured
ft btoc = Feet below top of casing
ft amsl = Feet above mean sea level
TOC = Top of casing

Table 2
Summary of Groundwater Volatile Organic Compound Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	Sample Date	1,1-DCA	1,2-DCB	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE
NMWQCC Standard (mg/L):		0.025	NE	0.005	NE	0.07	0.1	0.02
MW-12	5/28/2002	0.021	0.0052	<0.001	0.0017	0.02	0.008	0.003
	6/3/2003	0.0082	0.0034	<0.002	<0.002	0.0082	0.0045	0.0032
	5/17/2004	0.0046	0.0034	<0.002	<0.002	0.0051	0.004	0.0023
	5/31/2005	0.0223	<0.002	<0.002	<0.002	0.0188	0.0207	<0.002
	6/8/2006	0.0087	0.0045	<0.002	0.00087	0.0107	0.0047	0.0025
	6/20/2007	0.0036	0.003	<0.002	<0.002	0.0044	0.003	0.0019
	5/22/2008	0.0061	0.0053	<0.002	0.00069	0.0082	0.0031	0.0024
	5/28/2009	0.0042	0.0041	<0.002	<0.002	0.005	0.0026	0.002
	5/24/2010	0.0029	0.0039	<0.0021	0.00052	0.0049	0.0025	0.0019
	10/19/2011	0.0035	0.0052	<0.002	0.00079	0.0065	0.0029	0.0022
	12/18/2013	0.00253	NT	<0.00019	0.000384J	0.00377	0.00193	0.0015
	12/16/2014	0.00181	NT	<0.00019	0.000314	0.00244	0.00181	0.00123
	2/10/2015	0.00136	NT	0.000192	0.000321	0.00166	0.00186	0.00185
	12/16/2015	0.000982	NT	<0.000192	<0.000192	0.00125	0.00145	0.00172
	12/14/2016	0.000466 J	NT	<0.000192	<0.000192	0.000549 J	0.00101	0.00134
	11/15/2017	0.000508 J	0.000976 J	<0.000192	<0.000192	<0.000157	0.00102	0.00138
	11/15/2018	0.000700 J	0.000891 J	<0.000192	<0.000192	0.000364 J	0.001	0.00116
	10/16/2019	0.000951 J	0.00184 J	<0.000192	<0.000192	0.00138 J	0.00111	0.00143 J
	11/18/2020	0.00072 J	0.0006 J	<0.00050	<0.00050	<0.00050	0.00086 J	0.00075 J
	11/9/2021	<0.00050	<0.00050	<0.00050	<0.00050	<0.00020	0.00067 J	0.00061 J
MW-13	5/28/2002	0.061	0.079	0.0013	0.0082	0.045	0.039	0.0016
	6/3/2003	0.0538	0.0505	0.0014	0.0082	0.033	0.0351	0.0014
	5/17/2004	0.0412	0.0292	<0.002	0.004	0.0212	0.0225	<0.002
	5/31/2005	0.0507	<0.002	<0.002	0.0057	0.0266	0.0213	<0.002
	6/8/2006	0.0488	0.0531	0.0052	0.0052	0.0358	0.0269	<0.002
	6/20/2007	0.0588	0.0639	0.0012	0.0078	0.0436	0.0296	0.0011
	5/22/2008	0.0449	0.0699	0.00086	0.005	0.0323	0.0245	0.00095
	5/28/2009	0.049	0.0572	0.00088	0.0059	0.0343	0.0188	0.0012
	5/25/2010	0.0487	0.0482	0.0011	0.0062	0.0415	0.0186	0.0012
	10/19/2011	0.044	0.0507	0.00093	0.0054	0.0344	0.0168	<0.001
	12/18/2013	0.0407	NT	0.000807 J	0.00389	0.0269	0.0142	0.00114
	12/16/2014	0.0302	NT	0.000612	0.00213	0.0161	0.00807	0.000529
	2/10/2015	0.028	NT	0.000691	0.00195	0.0131	0.00914	0.000807
	12/16/2015	0.0186	NT	0.000355	0.00153	0.0104	0.00842	0.000697
	12/14/2016	0.0271	NT	0.000471 J	0.00219	0.0183	0.00897	0.000684 J
	11/15/2017	0.0122	0.00689	<0.000192	0.000581 J	0.00567	0.0059	0.000557 J
	11/15/2018	0.00908	0.00269	<0.000192	0.000366 J	0.00243	0.00368	<0.0000333
	10/16/2019	0.0147	0.00586	0.00024 J	0.000641 J	0.00463	0.00489	0.000738 J
	11/18/2020	0.0036	0.00097 J	<0.00050	<0.00050	<0.00050	0.0023	<0.00058
	11/9/2021	0.0079	0.0051	<0.00050	<0.00050	0.0019	0.0028	0.00044 J
MW-14	5/28/2002	0.0087	<0.001	<0.001	<0.001	0.0029	0.0019	<0.001
	6/3/2003	0.0095	<0.002	<0.002	<0.002	0.0033	0.0024	<0.002
	5/17/2004	0.0057	<0.002	<0.002	<0.002	0.0021	0.0016	<0.002
	5/31/2005	0.0047	<0.002	<0.002	<0.002	<0.002	<0.002	0.0012
	6/8/2006	0.0089	<0.002	<0.002	<0.002	0.0034	0.0018	<0.002
	6/20/2007	0.0242	0.0238	<0.002	0.0027	0.0142	0.011	<0.002
	5/22/2008	0.0093	0.0047	<0.002	<0.002	0.0034	0.003	<0.002
	5/28/2009	0.0064	0.0021	<0.002	<0.002	0.0014	0.0015	<0.002
	5/25/2010	0.0072	0.0035	<0.002	<0.002	0.0026	0.0021	<0.002
	10/19/2011	0.0083	0.0052	<0.001	0.00042	0.0033	0.0026	0.00052
	12/18/2013	0.00873	NT	<0.00019	0.000192 J	0.00135	0.00118	0.000208 J
	12/17/2014	0.00981	NT	<0.00019	<0.00009	0.00187	0.00213	<0.00013
	12/17/2014	0.00981	NT	<0.00019	<0.00009	0.00187	0.00213	<0.00013
	12/16/2015	0.00328	NT	<0.000192	<0.000192	0.000188	0.000329	<0.000333
	12/14/2016	0.00254	NT	<0.000192	<0.000192	0.000482 J	0.000568 J	<0.000333
	11/15/2017	0.000361 J	<0.000153	<0.000192	<0.000192	<0.000157	0.000296 J	<0.000333
	11/15/2018	0.000921 J	0.000287 J	<0.000192	<0.000192	<0.000157	0.000266 J	<0.000333
	10/16/2019	0.00194	0.000543 J	<0.000192	<0.000192	<0.000157	0.000216 J	<0.000333
	11/18/2020	0.0021	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00058
DUP-01 (Duplicate)	11/18/2020	0.00071 J	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00058
	11/9/2021	0.00056 J	<0.00050	<0.00050	<0.00050	<0.00020	<0.00012	<0.00015
DUP-01 (Duplicate)	11/9/2021	<0.00050	<0.00050	<0.00050	<0.00050	<0.00020	<0.00012	<0.00015
MW-15	5/28/2002	0.0053	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	6/3/2003	0.006	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/17/2004	0.0063	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/31/2005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	6/8/2006	0.0043	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002

Table 2
Summary of Groundwater Volatile Organic Compound Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	Sample Date	1,1-DCA	1,2-DCB	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE
NMWQCC Standard (mg/L):		0.025	NE	0.005	NE	0.07	0.1	0.02
MW-15	6/20/2007	**0.0048**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/22/2008	**0.0036**	<0.002	<0.002	<0.002	**0.00064**	<0.002	<0.002
	5/28/2009	**0.0033**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/25/2010	**0.0027**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	10/19/2011	**0.003**	<0.001	<0.001	<0.001	**0.00044**	<0.001	<0.001
	12/18/2013	**0.00321**	NT	<0.00019	<0.00009	**0.000465 J**	**0.000324 J**	<0.00013
	12/17/2014	**0.00284**	NT	<0.00095	<0.00045	**0.000526**	<0.0009	**0.000798**
	2/10/2015	**0.00187**	NT	**0.000962**	**0.000961**	**0.000785**	**0.000688**	**0.00257**
	12/16/2015	<0.00336	NT	<0.00384	<0.00384	<0.00314	<0.00276	<0.00666
	12/14/2016	**0.00191**	NT	<0.000192	<0.000192	**0.000176 J**	**0.000168 J**	<0.000333
	11/15/2017	**0.00158**	<0.000153	<0.000192	<0.000192	<0.000157	<0.000138	<0.000333
	11/15/2018	<0.000840	**0.000765**	<0.000960	<0.000960	<0.000785	<0.000690	<0.00167
	10/16/2019	**0.00204 J**	< 0.000765	< 0.00096	< 0.00096	<0.000785	<0.000690	<0.00167
	11/18/2020	**0.0015**	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00058
	11/9/2021	**0.0012**	<0.00050	<0.00050	<0.00050	<0.00020	<0.00015	<0.00012
MW-71	2/10/2015	**0.000612**	NT	**0.000192**	**0.000192**	**0.000157**	**0.00025**	**0.000593**
	12/16/2015	<0.000168	NT	<0.000192	<0.000192	<0.000157	**0.000383 J**	**0.002**
	12/14/2016	**0.000372 J**	NT	<0.000192	<0.000192	<0.000157	**0.000335 J**	**0.00165**
	11/15/2017	**0.000296 J**	<0.000153	<0.000192	<0.000192	<0.000157	**0.000419 J**	**0.00164**
	11/15/2018	**0.000620 J**	<0.000153	<0.000192	<0.000192	<0.000157	**0.000366 J**	**0.00174**
	10/16/2019	**0.000429 J**	**0.000191 J**	<0.000192	<0.000192	<0.000157	<0.000138	**0.00173**
	11/18/2020	**0.0007 J**	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	**0.0011**
	11/9/2021	**0.00051 J**	<0.00050	<0.00050	<0.00050	<0.00020	**0.00037 J**	**0.0012**

Notes:
Bold text indicates a detected concentration
Shaded cells and bold text indicate concentrations exceeded the NMWQCC standard
< = The analyte was not detected above the method detection limit
1,1-DCA = 1,1-dichloroethane
1,1-DCE = 1,1-dichloroethene
1,2-DCB = 1,2-dichlorobenzene
cis-1,2-DCE = cis-1,2-dichloroethene
J = The analyte was detected at concentration above the metod detection limit but below the reporting limit.
mg/L = milligrams per liter
NMWQCC = New Mexico Water Quality Control Commission
NT = sample was not tested for listed analyte
PCE = tetrachloroethene
trans-1,2-DCE = trans-1,2-dichloroethene
TCE = trichloroethene

Table 3
Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)	
NMWQCC Standard (mg/L):		**10**	
MW-8	9/23/1988	<0.1	
	6/18/1991	<0.06	
	2/19/1993	**1.95**	
	6/7/1993	<1.0	
	9/27/1993	<1.0	
	1/27/1994	<1.0	
	11/10/2000	<0.1	
	3/23/2001	**0.21**	
	8/28/2001	**0.33**	
	5/28/2002	**0.26**	
	6/3/2003	**0.13**	
	5/17/2004	**0.43**	
	5/31/2005	**0.3**	
	6/8/2006	**0.3**	
	6/20/2007	**0.5**	
	5/22/2008	**0.16**	
	5/28/2009	<2.0	
	5/25/2010	**0.19**	
	10/19/2011	Dry	
	12/18/2013	**0.122 (Dry)**	
	12/17/2015	<0.017 (Dry)	
	11/15/2018	**21.5**	
	10/16/2019	**36.3**	**J**
	11/18/2020	**0.074**	**J-**
	11/9/2021	<0.063	
MW-12	1/15/1990	**9.6**	
	6/19/1991	**7.8**	
	2/25/1993	**7.82**	
	6/7/1993	**8.45**	
	9/28/1993	**9.1**	
	1/27/1994	**7.32**	
	8/8/2000	<10	
	11/9/2000	**5.7**	
	3/22/2001	**8.4**	
	8/28/2001	**8**	
	5/28/2002	**2**	
	6/3/2003	**6.7**	
	5/17/2004	**7.6**	
	5/31/2005	**8.6**	
	6/8/2006	**6.5**	
	6/20/2007	**7.6**	
	5/22/2008	**6.7**	
	5/28/2009	**4.3**	
	5/25/2010	**7.2**	
	10/19/2011	**6.2**	
	12/18/2013	**13.2**	
	12/16/2014	**9.61**	
	2/10/2015	**6.04**	
	12/16/2015	**10.9**	
	12/14/2016	**5.17**	
	11/15/2017	**4.72**	
	11/15/2018	**4.7**	
	10/16/2019	**13.1**	**J**
	11/18/2020	**4.2**	**J-**
	11/9/2021	**4.4**	

Table 3
Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)	
NMWQCC Standard (mg/L):		**10**	
MW-13	1/15/1990	**16.4**	
	6/19/1991	**6.3**	
	2/24/1993	**10.9**	
	6/8/1993	**8.09**	
	9/28/1993	**4.1**	
	1/27/1994	**5.37**	
	8/8/2000	<12.5	
	11/9/2000	**9.8**	
	3/22/2001	**13**	
	8/28/2001	**7.9**	
	5/28/2002	**6**	
	6/3/2003	**5.8**	
	5/17/2004	**9.8**	
	5/31/2005	**8.2**	
	6/8/2006	**8.2**	
	6/20/2007	**6.1**	
	5/22/2008	**3.9**	
	5/28/2009	**4.8**	
	5/25/2010	**4.6**	
	10/19/2011	**5.5**	
	12/18/2013	**15.4**	
	12/16/2014	**23**	
	2/10/2015	**7.88**	
	12/16/2015	**32**	
	12/14/2016	**5.34**	
	11/15/2017	**6.45**	
	11/15/2018	**6.73**	
	10/16/2019	**28.3**	**J**
	11/18/2020	**7.9**	**J-**
	11/9/2021	**7.5**	
MW-14	1/15/1990	**210**	
	2/25/1993	**19.2**	
	6/8/1993	**17.5**	
	9/28/1993	**11.8**	
	1/27/1994	**15.4**	
	8/8/2000	**19**	
	11/13/2000	**0.24**	
	3/22/2001	**13**	
	8/28/2001	**20**	
	5/28/2002	**15**	
	6/3/2003	**15**	
	5/17/2004	**16**	
	5/31/2005	**24**	
	6/8/2006	**14**	
	6/20/2007	**15**	
	5/22/2008	**13.3**	
	5/28/2009	**7.8**	
	5/25/2010	**15.5**	
	10/19/2011	**13.9**	
	12/18/2013	**29.7**	
	12/17/2014	**6.12**	
	2/10/2015	**16.1**	
	12/16/2015	**61.6**	
	12/14/2016	**15.8**	
	11/15/2017	**7.56**	
	12/15/2018	**9.97 J**	
	10/16/2019	**20**	**J**
	11/18/2020	**8.8**	**J-**
DUP-01 (Duplicate)	11/18/2020	**8.2**	**J-**
	11/9/2021	**7.6 H**	**J-**
DUP-01 (Duplicate)	11/9/2021	**8.4 H**	

Table 3
Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)	
NMWQCC Standard (mg/L):		**10**	
MW-15	1/15/1990	**89**	
	6/19/1991	**50**	
	2/24/1993	**5**	
	6/8/1993	**48.1**	
	9/28/1993	**43**	
	1/27/1994	**43.7**	
	8/8/2000	**35**	
	11/9/2000	**38**	
	3/22/2001	**25**	
	8/28/2001	**30**	
	5/28/2002	**24**	
	6/3/2003	**21**	
	5/17/2004	**20**	
	5/31/2005	**35**	
	6/8/2006	**17**	
	6/20/2007	**18**	
	5/22/2008	**21.6**	
	5/28/2009	**12**	
	5/25/2010	**22.9**	
	10/19/2011	**24.8**	
	12/18/2013	**54.8**	
	12/17/2014	**22.2**	
	2/10/2015	**15.4**	
	12/16/2015	**45.6**	
	12/14/2016	**18.1**	
	11/15/2017	**20.2**	
	11/15/2018	**22.2**	
	10/16/2019	**67.9**	**J**
	11/18/2020	**25**	**J+**
	11/9/2021	**17 H**	**J-**
MW-28	10/7/1993	**2.1**	
	2/2/1994	**2.83**	
	8/20/1994	**2.72**	
	12/20/1994	**0.33**	
	2/16/1995	**1.56**	
	8/10/2000	**25**	
	11/10/2000	**53**	
	3/23/2001	**34**	
	8/28/2001	**63**	
	5/28/2002	**83**	
	6/3/2003	**87**	
	5/17/2004	**82**	
	5/31/2005	**85**	
	6/8/2006	**68**	
	6/20/2007	**42**	
	5/22/2008	**38.5**	
	5/28/2009	**22.7**	
	5/25/2010	**51.4**	
	10/19/2011	**29.8**	
	12/18/2013	**47.2**	
	12/16/2014	**89.8**	
	2/10/2015	**2.74**	
	12/16/2015	**39.9**	
	12/14/2016	**52.4**	
	11/15/2017	**35.1**	
	11/15/2018	**31.2**	
	10/15/2019	**30**	**J**
	11/18/2020	**130**	**J+**
DUP-02 (Duplicate)	11/18/2020	**130**	**J-**
	11/9/2021	**45 H**	**J-**
DUP-02 (Duplicate)	11/9/2021	**40 H**	**J-**

Table 3
Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)	
NMWQCC Standard (mg/L):		**10**	
MW-29	10/7/1993	**8.3**	
	2/2/1994	**19.6**	
	8/20/1994	**28.84**	
	12/20/1994	**41**	
	2/16/1995	**28.1**	
	8/10/2000	**50**	
	11/10/2000	**66**	
	3/26/2001	**70**	
	8/28/2001	**58**	
	5/28/2002	**70**	
	6/3/2003	**79**	
	5/17/2004	**88**	
	5/31/2005	**97**	
	6/8/2006	**71**	
	6/20/2007	**79**	
	5/22/2008	**72.5**	
	5/28/2009	**46.2**	
	5/25/2010	**79.9**	
	10/19/2011	**77.7**	
	12/18/2013	**180**	
	12/16/2014	**148**	
	2/10/2015	**78**	
	12/16/2015	**162**	
	12/14/2016	**74**	
	11/15/2017	**91.7**	
	11/15/2018	**114**	
	10/16/2019	**130**	**J**
	11/18/2020	**100**	**J-**
	11/9/2021	**93 H**	**J-**
MW-30	10/7/1993	**28.1**	
	2/2/1994	**57.1**	
	8/20/1994	**67.63**	
	2/16/1995	**91.3**	
	8/10/2000	**84**	
	11/10/2000	**70**	
	3/26/2001	**72**	
	8/28/2001	**76**	
	5/28/2002	**66**	
	6/3/2003	**58**	
	5/17/2004	**52**	
	5/31/2005	**58**	
	6/20/2007	**57**	
	5/22/2008	**43.2**	
	5/28/2009	**16.9**	
	5/25/2010	**34.8**	
	10/19/2011	**51.3**	
	12/18/2013	**101**	
	12/16/2014	**55.6**	
	2/10/2015	**36.8**	
	12/16/2015	**5.92**	
	12/14/2016	**2.17**	
	11/15/2017	**3.97**	
	11/15/2018	**15.4**	
	10/15/2019	**23.4**	**J**
	11/18/2020	**15**	**J-**
	11/9/2021	**8.0**	

Table 3
Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

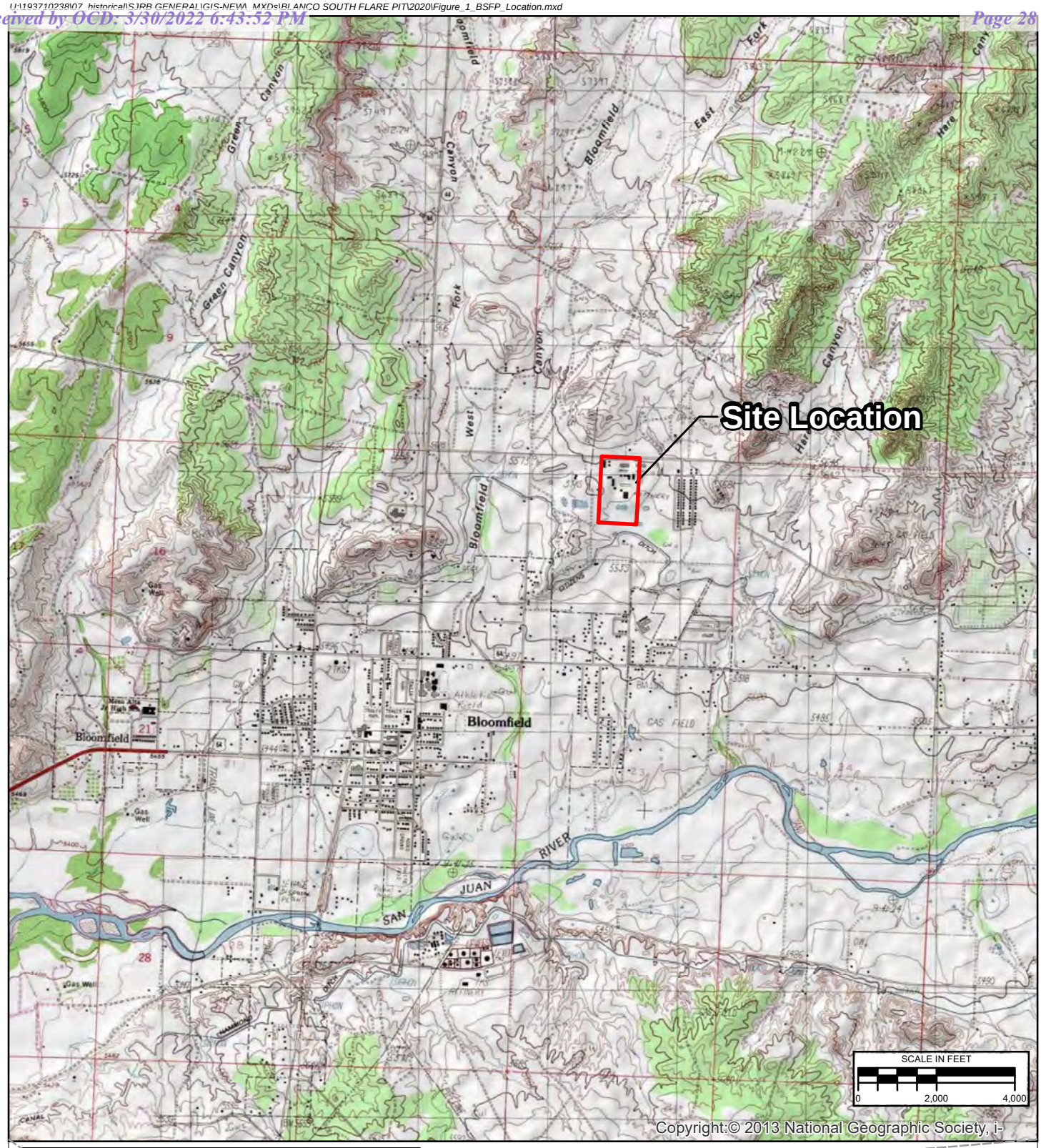
Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)	
NMWQCC Standard (mg/L):		**10**	
MW-71	2/10/2015	**17.1**	
	12/16/2015	**47.4**	
	12/14/2016	**15.8**	
	11/15/2017	**19.4**	
	11/15/2018	**17.8**	
	10/16/2019	**29.6**	**J**
	11/18/2020	**17**	**J-**
	11/9/2021	**14 H**	**J-**
MW-72	2/11/2015	**9.15**	
	12/16/2015	**28.7**	
	12/14/2016	**10**	
	11/15/2017	**6.08**	
	11/15/2018	**9.99**	
	10/15/2019	**24.9**	**J**
	11/18/2020	**9.6**	**J-**
	11/9/2021	**9.6**	
MW-73	2/11/2015	**17.3**	
	12/16/2015	**15.8**	
	12/14/2016	**30.6**	
	11/15/2017	**30.6**	
	11/15/2018	**68.9**	
	10/15/2019	**56.4**	**J**
	11/18/2020	**22**	**J-**
	11/9/2021	**23 H**	**J-**
MW-74	2/11/2015	**2.5**	
	12/17/2015	**0.902**	
	12/14/2016	**1.78**	
	11/15/2017	**1.34**	
	11/15/2018	**0.952**	
	10/16/2019	**9.66 J**	
	11/18/2020	**8.0**	**J-**
	11/9/2021	**3.5**	
MW-75	2/10/2015	**54.8**	
	12/17/2015	**191**	
	12/14/2016	**64.4**	
	11/15/2017	**42.7**	
	11/15/2018	**71**	
	10/16/2019	**131**	**J**
	11/18/2020	**68**	**J+**
	11/9/2021	**65 H**	**J-**
MW-76	2/11/2015	**0.457**	
	12/16/2015	**0.395**	
	12/14/2016	**0.468**	
	11/15/2017	**0.81**	
	11/15/2018	**0.366**	
	10/15/2019	**0.419**	**J**
	11/18/2020	**0.23**	**J-**
	11/9/2021	**0.15**	
MW-77	2/11/2015	**54.8**	
	12/17/2015	**34.3**	
	12/14/2016	**4.15**	
	11/15/2017	**27.3**	
	11/15/2018	**24.9**	
	10/16/2019	**54.1**	**J**
	11/18/2020	**62**	**J-**
	11/9/2021	**55 H**	**J-**

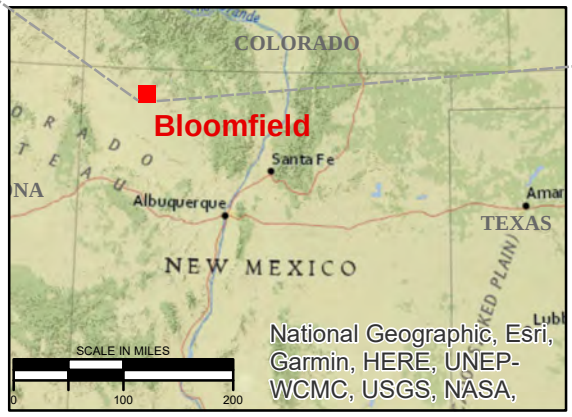
Table 3
Summary of Groundwater Nitrate/Nitrite Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate/Nitrite (mg/L)	
NMWQCC Standard (mg/L):		**10**	
MW-78	2/11/2015	**15.5**	
	12/17/2015	**13.5**	
	12/14/2016	**35.3**	
	11/15/2017	**24.2**	
	11/15/2018	**23.3**	
	10/15/2019	**13.9**	**J**
	11/18/2020	**43**	**J-**
	11/9/2021	**34 H**	**J-**
MW-79	2/10/2015	**10**	
	12/17/2015	**18.4**	
	12/14/2016	**1.95**	
	11/15/2017	**1.06**	
	11/15/2018	**2.55**	
	10/15/2019	**14.9**	**J**
	11/18/2020	**0.66**	**J-**
	11/9/2021	**0.85**	
MW-80	2/10/2015	**24.4**	
	12/17/2015	**89.4**	
	12/14/2016	**92**	
	11/15/2017	**69.6**	
	11/15/2018	<1.7	
	10/15/2019	**92.7**	**J**
	11/18/2020	**110**	**J-**
	11/9/2021	**96 H**	**J-**
MW-81	2/11/2015	**15.7**	
	12/17/2015	**52.3**	
	12/14/2016	**34.6**	
	11/15/2017	**8.8**	
	11/15/2018	**41.3**	
	10/16/2019	**48.7**	**J**
	11/18/2020	**40**	**J-**
	11/9/2021	**43 H**	**J-**

Notes:
Analytical data from monitoring wells abandoned prior to 2018 have been removed from the table.
< = The analyte was not detected above the method detection limit
E = Result exceeded calibration range
H = Sample was prepped or analyzed beyond the specified holding time
J = The analytical result is estimated.
J- = the analytical result was positively identified; the quantitation is an estimation with a potential low bias.
J+ = the analytical result was positively identified; the quantitation is an estimation with a potential high bias.
NE = not established
Bolded text indicates a detected concentration
Shaded cells and bolded text indicate concentrations exceeded the NMWQCC standard

FIGURES





N

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/13/2021	SLG	SLG	SRV

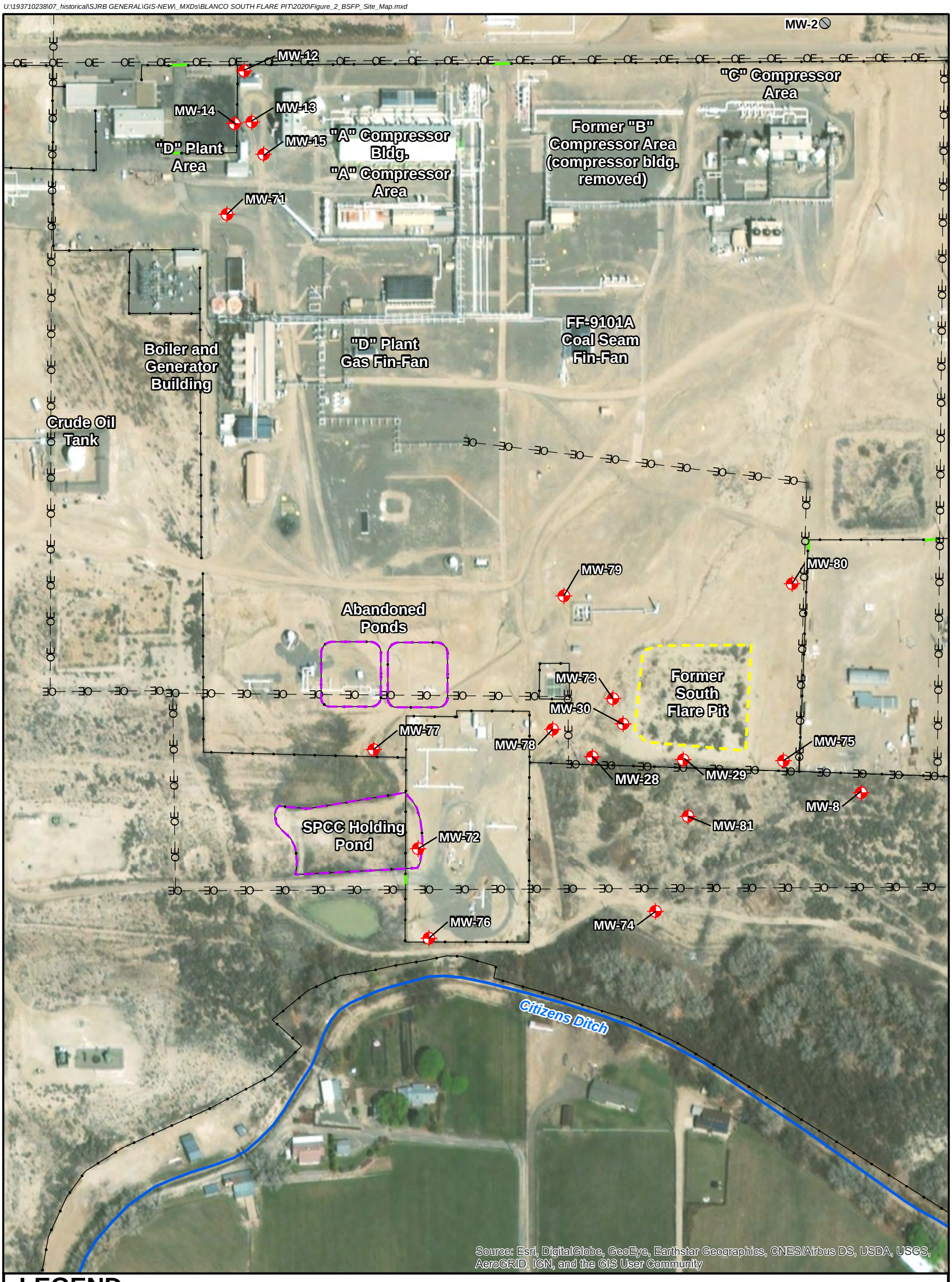
TITLE
SITE LOCATION

Stantec

PROJECT
BLANCO SOUTH FLARE PIT
BLOOMFIELD, NEW MEXICO

FIGURE
1

U:\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\BLANCO SOUTH FLARE PIT\2020\Figure_2_BSFP_Site_Map.mxd



LEGEND

- MONITORING WELL
- ABANDONED/DESTROYED MONITORING WELL
- SITE FEATURE
- FENCE
- GATE
- OVERHEAD ELECTRIC
- PUBLIC WATER SUPPLY DIVERSION DITCH
- FLARE PIT

N

SCALE IN FEET

0 150 300

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/16/2021	SLG	SLG	SRV

TITLE:

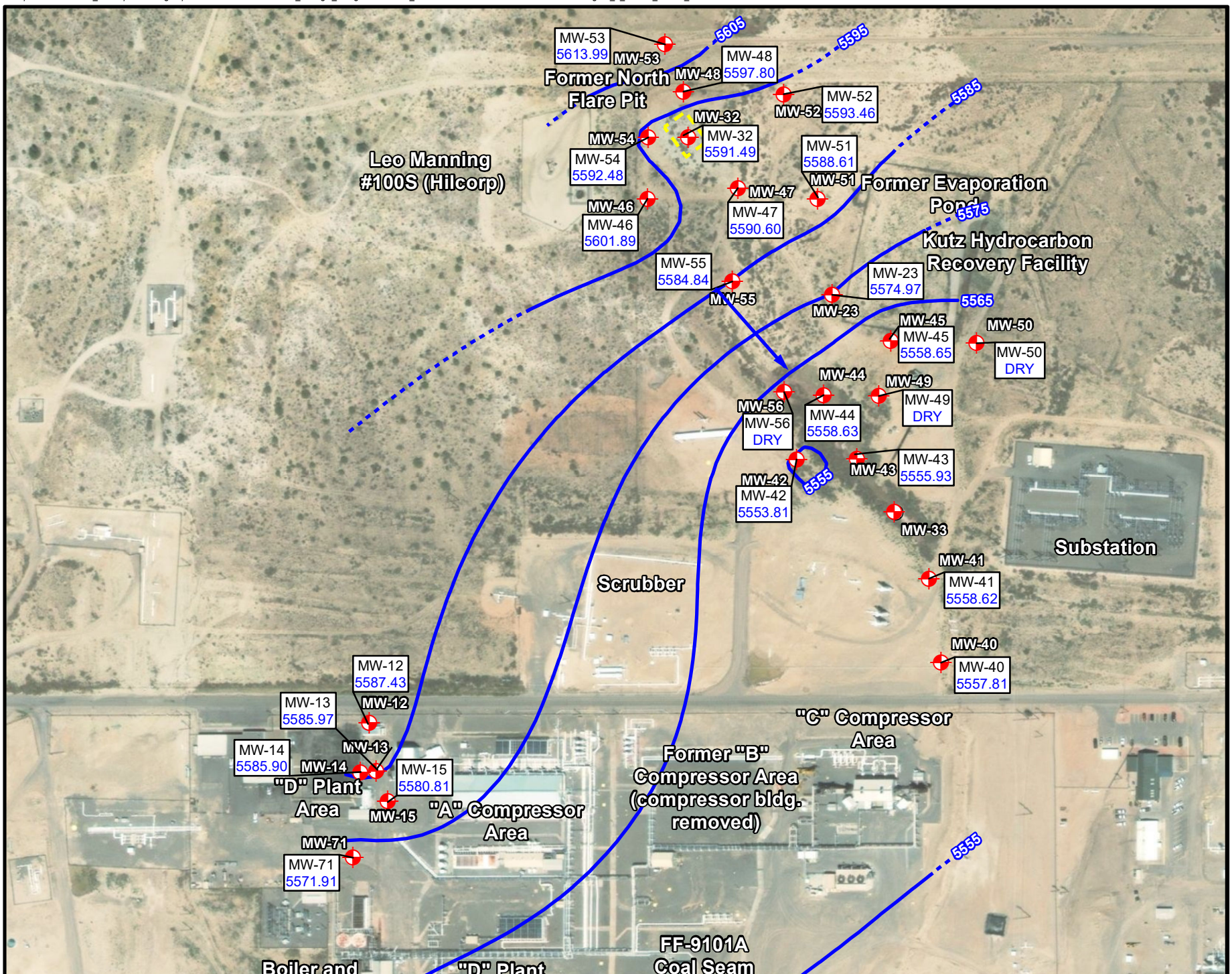
SITE MAP

PROJECT: BLANCO PLANT - SOUTH FLARE PIT AND D PLANT AREA BLOOMFIELD, NEW MEXICO

Stantec

Figure No.: 2

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXDs\BLANCO NORTH FLARE PIT\2021\Figure_3_Blanco_GECM_11-09-2021.mxd



LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE LNAPL
- SITE FEATURE
- FLARE PIT
- 6021.62 — GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).
- 6021 — CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).
- DIRECTION OF APPARENT GROUNDWATER FLOW

NOTE:
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET
0 200 400

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-30	SLG	SLG	SRV

TITLE:
GROUNDWATER ELEVATION MAP
NOVEMBER 17, 2020

PROJECT:
BLANCO PLANT
BLOOMFIELD, NEW MEXICO

Stantec

Figure No.: 3

U:\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXDs\BLANCO SOUTH FLARE PIT\2020\Figure_4_BSFP_GARM_11-2020.mxd

LEGEND

- MONITORING WELL
- SITE FEATURE
- FENCE
- GATE
- PUBLIC WATER SUPPLY DIVERSION DITCH
- FLARE PIT

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
mg/L = MILLIGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT
Dup = DUPLICATE SAMPLE RESULT

ANALYTE	NMWQCC STANDARD
Nitrate	10 mg/L

N

SCALE IN FEET
0 150 300

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	3/15/2021	SLG	SLG	SRV

TITLE: *GROUNDWATER ANALYTICAL RESULTS - NITRATE NOVEMBER 18, 2020*

PROJECT: *BLANCO PLANT - SOUTH FLARE PIT AND D PLANT AREA BLOOMFIELD, NEW MEXICO*

Stantec

Figure No.: 4

APPENDICES

APPENDIX A – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION

APPENDIX C – GROUNDWATER ANALYTICAL LAB REPORTS

APPENDIX A

From:	Varsa, Steve
To:	Smith, Cory, EMNRD
Cc:	Griswold, Jim, EMNRD; Wiley, Joe
Subject:	El Paso Natural Gas Company/Blanco Plant South Flare Pit & D Plant Area (Incident Number NAPP2110640022) - Notice of upcoming sampling activities
Date:	Wednesday, November 03, 2021 10:41:18 AM

Hi Cory –

On behalf of El Paso Natural Gas Company (EPNG), this correspondence is to provide notice to the NMOCD of upcoming annual groundwater sampling activities at the above-referenced project site. Site activities are to occur on November 9, 2021.

Please contact Mr. Joseph Wiley, Project Manager with EPNG, at (713) 420-3475, or me, if you have questions.

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

APPENDIX B

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NO. 817323
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 11-9-21

GENERATOR: El Paso Natural GC

HAULING CO. Stanley

ORDERED BY: Joe

DEL. TKT#.

BILL TO: ~~Jon~~ El Paso

DRIVER: Shaun
(Print Full Name)

CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☐ Produced Water ☐ Drilling/Completion Fluids

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT

TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Blanco Gas Plant SF1	1	70			70	
2							'21 NOV 4	4:21
3								
4								
5								

I, Jim H Cley, representative or authorized agent for _____ do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non -exempt waste.

☐ Approved ☐ Denied ATTENDANT SIGNATURE _____

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APPENDIX C

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

Laboratory Job ID: 400-210926-1
Client Project/Site: CMI Kinder Morgan Blanco South

For:
Stantec Consulting Services Inc
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Attn: Steve Varsa

Authorized for release by:
11/30/2021 6:16:38 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@Eurofinset.com

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Laboratory Job ID: 400-210926-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Job ID: 400-210926-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative
400-210926-1

Comments
No additional comments.

Receipt
The samples were received on 11/10/2021 9:13 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.0º C and 0.5º C.

GC/MS VOA
Method 8260B: Sample DUP-01 (400-210926-2) appears to be a duplicate of sample MW-14 (400-210926-23). There was a detection for 1,1-Dichloroethane in both samples, but was just below the method detection limit (MDL) in sample DUP-01 (400-210926-2) .

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-555317 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The continuing calibration blank (CCB) for analytical batch 400-555317 contained Nitrate as N above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 300.0: The MRL recovered outside of criteria for Nitrate as N; however, all other batch QC recovered within criteria. Therefore, the data is reported. (MRL 400-555317/121)

Method 300.0: Due to the high concentration of Nitrate as N and Nitrate Nitrite as N, the matrix spike / matrix spike duplicate (MS/MSD) for analytical batch 400-555556 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-71 (400-210926-5), MW-15 (400-210926-6), MW-80 (400-210926-10), MW-75 (400-210926-11), MW-29 (400-210926-12), MW-28 (400-210926-13) and MW-78 (400-210926-15). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: DUP-01 (400-210926-2), MW-13 (400-210926-7[MS]), MW-13 (400-210926-7[MSD]), MW-78 (400-210926-15[MS]), MW-78 (400-210926-15[MSD]) and MW-14 (400-210926-23).

Method 300.0: Reanalysis of the following sample(s) was performed outside of the analytical holding time in order to bring the target analyte within calibration range. Initial, in hold data is reported as primary : DUP-02 (400-210926-3), MW-71 (400-210926-5), MW-15 (400-210926-6), MW-80 (400-210926-10), MW-75 (400-210926-11), MW-29 (400-210926-12), MW-28 (400-210926-13), MW-78 (400-210926-15), MW-73 (400-210926-16), MW-77 (400-210926-17) and MW-81 (400-210926-19).

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-556929 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: TB-01 — Lab Sample ID: 400-210926-1

No Detections.

Client Sample ID: DUP-01 — Lab Sample ID: 400-210926-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	8.2	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	8.4	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrite as N	0.22	H	0.10	0.083	mg/L	1		300.0	Total/NA

Client Sample ID: DUP-02 — Lab Sample ID: 400-210926-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	37	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	40	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	37	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	40	H	1.0	0.63	mg/L	10		300.0	Total/NA

Client Sample ID: MW-71 — Lab Sample ID: 400-210926-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.00051	J	0.0010	0.00050	mg/L	1		8260B	Total/NA
Tetrachloroethene	0.0012		0.0010	0.00012	mg/L	1		8260B	Total/NA
Trichloroethene	0.00037	J	0.0010	0.00015	mg/L	1		8260B	Total/NA
Nitrate as N	14	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	14	H	0.50	0.32	mg/L	5		300.0	Total/NA
Nitrate Nitrite as N	14	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	14	H	0.50	0.32	mg/L	5		300.0	Total/NA
Nitrite as N	0.10		0.10	0.083	mg/L	1		300.0	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 400-210926-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.0012		0.0010	0.00050	mg/L	1		8260B	Total/NA
Nitrate as N	17	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	17	H	0.50	0.32	mg/L	5		300.0	Total/NA
Nitrate Nitrite as N	17	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	17	H	0.50	0.32	mg/L	5		300.0	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 400-210926-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.0079		0.0010	0.00050	mg/L	1		8260B	Total/NA
1,2-Dichlorobenzene	0.0051		0.0010	0.00050	mg/L	1		8260B	Total/NA
cis-1,2-Dichloroethene	0.0019		0.0010	0.00020	mg/L	1		8260B	Total/NA
Tetrachloroethene	0.00044	J	0.0010	0.00012	mg/L	1		8260B	Total/NA
Trichloroethene	0.0028		0.0010	0.00015	mg/L	1		8260B	Total/NA
Nitrate as N	7.3		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	7.5		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrite as N	0.17		0.10	0.083	mg/L	1		300.0	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 400-210926-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.00067	J	0.0010	0.00012	mg/L	1		8260B	Total/NA
Trichloroethene	0.00061	J	0.0010	0.00015	mg/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-12 (Continued) — Lab Sample ID: 400-210926-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	4.4		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	4.4		0.10	0.063	mg/L	1		300.0	Total/NA

Client Sample ID: MW-79 — Lab Sample ID: 400-210926-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.85		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.85		0.10	0.063	mg/L	1		300.0	Total/NA

Client Sample ID: MW-80 — Lab Sample ID: 400-210926-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	74	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	96	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	74	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	96	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrite as N	0.20		0.10	0.083	mg/L	1		300.0	Total/NA

Client Sample ID: MW-75 — Lab Sample ID: 400-210926-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	54	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	65	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	54	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	65	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrite as N	0.31		0.10	0.083	mg/L	1		300.0	Total/NA

Client Sample ID: MW-29 — Lab Sample ID: 400-210926-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	72	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	93	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	73	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	93	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrite as N	0.51		0.10	0.083	mg/L	1		300.0	Total/NA

Client Sample ID: MW-28 — Lab Sample ID: 400-210926-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	39	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	45	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	39	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	45	H	1.0	0.63	mg/L	10		300.0	Total/NA

Client Sample ID: MW-30 — Lab Sample ID: 400-210926-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	7.8		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	8.0		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrite as N	0.19		0.10	0.083	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-78 — Lab Sample ID: 400-210926-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	36	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	34	H F1	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	36	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	34	H	1.0	0.63	mg/L	10		300.0	Total/NA

Client Sample ID: MW-73 — Lab Sample ID: 400-210926-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	23	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	23	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	23	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	23	H	1.0	0.63	mg/L	10		300.0	Total/NA

Client Sample ID: MW-77 — Lab Sample ID: 400-210926-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	48	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	55	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	48	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	55	H	1.0	0.63	mg/L	10		300.0	Total/NA

Client Sample ID: MW-74 — Lab Sample ID: 400-210926-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	3.5		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.5		0.10	0.063	mg/L	1		300.0	Total/NA

Client Sample ID: MW-81 — Lab Sample ID: 400-210926-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	40	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate as N	43	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	40	E	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	43	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrite as N	0.12		0.10	0.083	mg/L	1		300.0	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 400-210926-20

No Detections.

Client Sample ID: MW-72 — Lab Sample ID: 400-210926-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	9.6		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	9.6		0.10	0.063	mg/L	1		300.0	Total/NA

Client Sample ID: MW-76 — Lab Sample ID: 400-210926-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.15		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.15		0.10	0.063	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-14 Lab Sample ID: 400-210926-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.00056	J	0.0010	0.00050	mg/L	1		8260B	Total/NA
Nitrate as N	7.6	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	7.8	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrite as N	0.20	H	0.10	0.083	mg/L	1		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-210926-1	TB-01	Water	11/09/21 07:00	11/10/21 09:13
400-210926-2	DUP-01	Water	11/09/21 12:58	11/10/21 09:13
400-210926-3	DUP-02	Water	11/09/21 10:51	11/10/21 09:13
400-210926-5	MW-71	Water	11/09/21 08:05	11/10/21 09:13
400-210926-6	MW-15	Water	11/09/21 08:23	11/10/21 09:13
400-210926-7	MW-13	Water	11/09/21 08:36	11/10/21 09:13
400-210926-8	MW-12	Water	11/09/21 08:56	11/10/21 09:13
400-210926-9	MW-79	Water	11/09/21 09:10	11/10/21 09:13
400-210926-10	MW-80	Water	11/09/21 09:24	11/10/21 09:13
400-210926-11	MW-75	Water	11/09/21 09:33	11/10/21 09:13
400-210926-12	MW-29	Water	11/09/21 09:42	11/10/21 09:13
400-210926-13	MW-28	Water	11/09/21 09:51	11/10/21 09:13
400-210926-14	MW-30	Water	11/09/21 10:00	11/10/21 09:13
400-210926-15	MW-78	Water	11/09/21 10:04	11/10/21 09:13
400-210926-16	MW-73	Water	11/09/21 10:11	11/10/21 09:13
400-210926-17	MW-77	Water	11/09/21 10:24	11/10/21 09:13
400-210926-18	MW-74	Water	11/09/21 10:51	11/10/21 09:13
400-210926-19	MW-81	Water	11/09/21 10:57	11/10/21 09:13
400-210926-20	MW-8	Water	11/09/21 11:04	11/10/21 09:13
400-210926-21	MW-72	Water	11/09/21 11:25	11/10/21 09:13
400-210926-22	MW-76	Water	11/09/21 11:35	11/10/21 09:13
400-210926-23	MW-14	Water	11/09/21 11:48	11/10/21 09:13

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: TB-01

Date Collected: 11/09/21 07:00
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00050	U	0.0010	0.00050	mg/L			11/17/21 19:42	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 19:42	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 19:42	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/17/21 19:42	1
Tetrachloroethene	0.00012	U	0.0010	0.00012	mg/L			11/17/21 19:42	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 19:42	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/17/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*72 - 119*		*11/17/21 19:42*	*1*
Dibromofluoromethane	*95*		*75 - 126*		*11/17/21 19:42*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*11/17/21 19:42*	*1*

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: DUP-01

Date Collected: 11/09/21 12:58
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00050	U	0.0010	0.00050	mg/L			11/17/21 20:08	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 20:08	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 20:08	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/17/21 20:08	1
Tetrachloroethene	0.00012	U	0.0010	0.00012	mg/L			11/17/21 20:08	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 20:08	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/17/21 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*11/17/21 20:08*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*11/17/21 20:08*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/17/21 20:08*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**8.2**	**H**	0.10	0.063	mg/L			11/11/21 15:42	1
Nitrate Nitrite as N	**8.4**	**H**	0.10	0.063	mg/L			11/11/21 15:42	1
Nitrite as N	**0.22**	**H**	0.10	0.083	mg/L			11/11/21 15:42	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: DUP-02
Date Collected: 11/09/21 10:51
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-3
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**37**	**E**	0.10	0.063	mg/L			11/11/21 06:35	1
Nitrate as N	**40**	**H**	1.0	0.63	mg/L			11/23/21 06:25	10
Nitrate Nitrite as N	**37**	**E**	0.10	0.063	mg/L			11/11/21 06:35	1
Nitrate Nitrite as N	**40**	**H**	1.0	0.63	mg/L			11/23/21 06:25	10
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 06:35	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-71

Date Collected: 11/09/21 08:05
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.00051**	**J**	0.0010	0.00050	mg/L			11/17/21 20:35	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 20:35	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 20:35	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/17/21 20:35	1
Tetrachloroethene	**0.0012**		0.0010	0.00012	mg/L			11/17/21 20:35	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 20:35	1
Trichloroethene	**0.00037**	**J**	0.0010	0.00015	mg/L			11/17/21 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 119*		*11/17/21 20:35*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*11/17/21 20:35*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/17/21 20:35*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**14**	**E**	0.10	0.063	mg/L			11/11/21 00:23	1
Nitrate as N	**14**	**H**	0.50	0.32	mg/L			11/13/21 06:42	5
Nitrate Nitrite as N	**14**	**E**	0.10	0.063	mg/L			11/11/21 00:23	1
Nitrate Nitrite as N	**14**	**H**	0.50	0.32	mg/L			11/13/21 06:42	5
Nitrite as N	**0.10**		0.10	0.083	mg/L			11/11/21 00:23	1
Nitrite as N	0.42	U H	0.50	0.42	mg/L			11/13/21 06:42	5

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-15

Date Collected: 11/09/21 08:23
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.0012**		0.0010	0.00050	mg/L			11/17/21 21:01	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:01	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:01	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/17/21 21:01	1
Tetrachloroethene	0.00012	U	0.0010	0.00012	mg/L			11/17/21 21:01	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:01	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/17/21 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 119*		*11/17/21 21:01*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*11/17/21 21:01*	*1*
Toluene-d8 (Surr)	*100*		*64 - 132*		*11/17/21 21:01*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**17**	**E**	0.10	0.063	mg/L			11/11/21 00:48	1
Nitrate as N	**17**	**H**	0.50	0.32	mg/L			11/13/21 07:07	5
Nitrate Nitrite as N	**17**	**E**	0.10	0.063	mg/L			11/11/21 00:48	1
Nitrate Nitrite as N	**17**	**H**	0.50	0.32	mg/L			11/13/21 07:07	5
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 00:48	1
Nitrite as N	0.42	U H	0.50	0.42	mg/L			11/13/21 07:07	5

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-13

Date Collected: 11/09/21 08:36
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.0079**		0.0010	0.00050	mg/L			11/17/21 17:56	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 17:56	1
1,2-Dichlorobenzene	**0.0051**		0.0010	0.00050	mg/L			11/17/21 17:56	1
cis-1,2-Dichloroethene	**0.0019**		0.0010	0.00020	mg/L			11/17/21 17:56	1
Tetrachloroethene	**0.00044**	**J**	0.0010	0.00012	mg/L			11/17/21 17:56	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 17:56	1
Trichloroethene	**0.0028**		0.0010	0.00015	mg/L			11/17/21 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 119*		*11/17/21 17:56*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*11/17/21 17:56*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/17/21 17:56*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**7.3**		0.10	0.063	mg/L			11/11/21 01:13	1
Nitrate Nitrite as N	**7.5**		0.10	0.063	mg/L			11/11/21 01:13	1
Nitrite as N	**0.17**		0.10	0.083	mg/L			11/11/21 01:13	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-12

Date Collected: 11/09/21 08:56
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-8

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:28	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:28	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:28	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/17/21 21:28	1
Tetrachloroethene	**0.00067**	**J**	0.0010	0.00012	mg/L			11/17/21 21:28	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:28	1
Trichloroethene	**0.00061**	**J**	0.0010	0.00015	mg/L			11/17/21 21:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 119*		*11/17/21 21:28*	*1*
Dibromofluoromethane	*97*		*75 - 126*		*11/17/21 21:28*	*1*
Toluene-d8 (Surr)	*102*		*64 - 132*		*11/17/21 21:28*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**4.4**		0.10	0.063	mg/L			11/11/21 01:37	1
Nitrate Nitrite as N	**4.4**		0.10	0.063	mg/L			11/11/21 01:37	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 01:37	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-79
Lab Sample ID: 400-210926-9
Date Collected: 11/09/21 09:10
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.85**		0.10	0.063	mg/L			11/11/21 02:02	1
Nitrate Nitrite as N	**0.85**		0.10	0.063	mg/L			11/11/21 02:02	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 02:02	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-80
Lab Sample ID: 400-210926-10
Date Collected: 11/09/21 09:24
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**74**	**E**	0.10	0.063	mg/L			11/11/21 02:27	1
Nitrate as N	**96**	**H**	1.0	0.63	mg/L			11/13/21 07:32	10
Nitrate Nitrite as N	**74**	**E**	0.10	0.063	mg/L			11/11/21 02:27	1
Nitrate Nitrite as N	**96**	**H**	1.0	0.63	mg/L			11/13/21 07:32	10
Nitrite as N	**0.20**		0.10	0.083	mg/L			11/11/21 02:27	1
Nitrite as N	0.83	U H	1.0	0.83	mg/L			11/13/21 07:32	10

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-75
Lab Sample ID: 400-210926-11
Date Collected: 11/09/21 09:33
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**54**	**E**	0.10	0.063	mg/L			11/11/21 02:52	1
Nitrate as N	**65**	**H**	1.0	0.63	mg/L			11/13/21 07:56	10
Nitrate Nitrite as N	**54**	**E**	0.10	0.063	mg/L			11/11/21 02:52	1
Nitrate Nitrite as N	**65**	**H**	1.0	0.63	mg/L			11/13/21 07:56	10
Nitrite as N	**0.31**		0.10	0.083	mg/L			11/11/21 02:52	1
Nitrite as N	0.83	U H	1.0	0.83	mg/L			11/13/21 07:56	10

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-29
Date Collected: 11/09/21 09:42
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-12
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**72**	**E**	0.10	0.063	mg/L			11/11/21 03:17	1
Nitrate as N	**93**	**H**	1.0	0.63	mg/L			11/13/21 08:21	10
Nitrate Nitrite as N	**73**	**E**	0.10	0.063	mg/L			11/11/21 03:17	1
Nitrate Nitrite as N	**93**	**H**	1.0	0.63	mg/L			11/13/21 08:21	10
Nitrite as N	**0.51**		0.10	0.083	mg/L			11/11/21 03:17	1
Nitrite as N	0.83	U H	1.0	0.83	mg/L			11/13/21 08:21	10

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-28
Lab Sample ID: 400-210926-13
Date Collected: 11/09/21 09:51
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**39**	**E**	0.10	0.063	mg/L			11/11/21 03:42	1
Nitrate as N	**45**	**H**	1.0	0.63	mg/L			11/13/21 08:46	10
Nitrate Nitrite as N	**39**	**E**	0.10	0.063	mg/L			11/11/21 03:42	1
Nitrate Nitrite as N	**45**	**H**	1.0	0.63	mg/L			11/13/21 08:46	10
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 03:42	1
Nitrite as N	0.83	U H	1.0	0.83	mg/L			11/13/21 08:46	10

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-30
Lab Sample ID: 400-210926-14
Date Collected: 11/09/21 10:00
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	7.8		0.10	0.063	mg/L			11/11/21 04:56	1
Nitrate Nitrite as N	8.0		0.10	0.063	mg/L			11/11/21 04:56	1
Nitrite as N	0.19		0.10	0.083	mg/L			11/11/21 04:56	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-78
Lab Sample ID: 400-210926-15
Date Collected: 11/09/21 10:04
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**36**	**E**	0.10	0.063	mg/L			11/11/21 05:21	1
Nitrate as N	**34**	**H F1**	1.0	0.63	mg/L			11/22/21 14:01	10
Nitrate Nitrite as N	**36**	**E**	0.10	0.063	mg/L			11/11/21 05:21	1
Nitrate Nitrite as N	**34**	**H**	1.0	0.63	mg/L			11/22/21 14:01	10
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 05:21	1
Nitrite as N	0.83	U H	1.0	0.83	mg/L			11/22/21 14:01	10

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-73
Lab Sample ID: 400-210926-16
Date Collected: 11/09/21 10:11
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**23**	**E**	0.10	0.063	mg/L			11/11/21 05:46	1
Nitrate as N	**23**	**H**	1.0	0.63	mg/L			11/23/21 06:50	10
Nitrate Nitrite as N	**23**	**E**	0.10	0.063	mg/L			11/11/21 05:46	1
Nitrate Nitrite as N	**23**	**H**	1.0	0.63	mg/L			11/23/21 06:50	10
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 05:46	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-77
Lab Sample ID: 400-210926-17
Date Collected: 11/09/21 10:24
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**48**	**E**	0.10	0.063	mg/L			11/11/21 06:11	1
Nitrate as N	**55**	**H**	1.0	0.63	mg/L			11/23/21 07:15	10
Nitrate Nitrite as N	**48**	**E**	0.10	0.063	mg/L			11/11/21 06:11	1
Nitrate Nitrite as N	**55**	**H**	1.0	0.63	mg/L			11/23/21 07:15	10
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 06:11	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-74
Lab Sample ID: 400-210926-18
Date Collected: 11/09/21 10:51
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**3.5**		0.10	0.063	mg/L			11/11/21 07:00	1
Nitrate Nitrite as N	**3.5**		0.10	0.063	mg/L			11/11/21 07:00	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 07:00	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-81
Lab Sample ID: 400-210926-19
Date Collected: 11/09/21 10:57
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	40	E	0.10	0.063	mg/L			11/11/21 07:25	1
Nitrate as N	43	H	1.0	0.63	mg/L			11/23/21 07:39	10
Nitrate Nitrite as N	40	E	0.10	0.063	mg/L			11/11/21 07:25	1
Nitrate Nitrite as N	43	H	1.0	0.63	mg/L			11/23/21 07:39	10
Nitrite as N	0.12		0.10	0.083	mg/L			11/11/21 07:25	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-8
Lab Sample ID: 400-210926-20
Date Collected: 11/09/21 11:04
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/11/21 07:50	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/11/21 07:50	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 07:50	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-72
Lab Sample ID: 400-210926-21
Date Collected: 11/09/21 11:25
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**9.6**		0.10	0.063	mg/L			11/11/21 08:15	1
Nitrate Nitrite as N	**9.6**		0.10	0.063	mg/L			11/11/21 08:15	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 08:15	1

Client Sample Results

Client: Stantec Consulting Services Inc
Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Client Sample ID: MW-76
Lab Sample ID: 400-210926-22
Date Collected: 11/09/21 11:35
Matrix: Water
Date Received: 11/10/21 09:13

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**0.15**		0.10	0.063	mg/L			11/11/21 08:39	1
Nitrate Nitrite as N	**0.15**		0.10	0.063	mg/L			11/11/21 08:39	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 08:39	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-14

Date Collected: 11/09/21 11:48
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-23

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.00056**	**J**	0.0010	0.00050	mg/L			11/17/21 21:54	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:54	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:54	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/17/21 21:54	1
Tetrachloroethene	0.00012	U	0.0010	0.00012	mg/L			11/17/21 21:54	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 21:54	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/17/21 21:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*72 - 119*		*11/17/21 21:54*	*1*
Dibromofluoromethane	*98*		*75 - 126*		*11/17/21 21:54*	*1*
Toluene-d8 (Surr)	*101*		*64 - 132*		*11/17/21 21:54*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	**7.6**	**H**	0.10	0.063	mg/L			11/11/21 14:52	1
Nitrate Nitrite as N	**7.8**	**H**	0.10	0.063	mg/L			11/11/21 14:52	1
Nitrite as N	**0.20**	**H**	0.10	0.083	mg/L			11/11/21 14:52	1

Definitions/Glossary

Client: Stantec Consulting Services Inc Job ID: 400-210926-1
Project/Site: CMI Kinder Morgan Blanco South

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
^3-	Reporting Limit Check Standard is outside acceptance limits, low biased.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-119)	(75-126)	(64-132)
400-210926-1	TB-01	97	95	102
400-210926-2	DUP-01	96	97	101
400-210926-5	MW-71	94	97	100
400-210926-6	MW-15	95	98	100
400-210926-7	MW-13	95	97	101
400-210926-7 MS	MW-13	96	99	100
400-210926-7 MSD	MW-13	97	98	101
400-210926-8	MW-12	95	97	102
400-210926-23	MW-14	94	98	101
LCS 400-556301/1002	Lab Control Sample	96	96	102
MB 400-556301/4	Method Blank	96	95	103

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

GC/MS VOA

Analysis Batch: 556301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210926-1	TB-01	Total/NA	Water	8260B	
400-210926-2	DUP-01	Total/NA	Water	8260B	
400-210926-5	MW-71	Total/NA	Water	8260B	
400-210926-6	MW-15	Total/NA	Water	8260B	
400-210926-7	MW-13	Total/NA	Water	8260B	
400-210926-8	MW-12	Total/NA	Water	8260B	
400-210926-23	MW-14	Total/NA	Water	8260B	
MB 400-556301/4	Method Blank	Total/NA	Water	8260B	
LCS 400-556301/1002	Lab Control Sample	Total/NA	Water	8260B	
400-210926-7 MS	MW-13	Total/NA	Water	8260B	
400-210926-7 MSD	MW-13	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 555317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210926-3	DUP-02	Total/NA	Water	300.0	
400-210926-5	MW-71	Total/NA	Water	300.0	
400-210926-6	MW-15	Total/NA	Water	300.0	
400-210926-7	MW-13	Total/NA	Water	300.0	
400-210926-8	MW-12	Total/NA	Water	300.0	
400-210926-9	MW-79	Total/NA	Water	300.0	
400-210926-10	MW-80	Total/NA	Water	300.0	
400-210926-11	MW-75	Total/NA	Water	300.0	
400-210926-12	MW-29	Total/NA	Water	300.0	
400-210926-13	MW-28	Total/NA	Water	300.0	
400-210926-14	MW-30	Total/NA	Water	300.0	
400-210926-15	MW-78	Total/NA	Water	300.0	
400-210926-16	MW-73	Total/NA	Water	300.0	
400-210926-17	MW-77	Total/NA	Water	300.0	
400-210926-18	MW-74	Total/NA	Water	300.0	
400-210926-19	MW-81	Total/NA	Water	300.0	
400-210926-20	MW-8	Total/NA	Water	300.0	
400-210926-21	MW-72	Total/NA	Water	300.0	
400-210926-22	MW-76	Total/NA	Water	300.0	
MB 400-555317/120	Method Blank	Total/NA	Water	300.0	
MB 400-555317/7	Method Blank	Total/NA	Water	300.0	
LCS 400-555317/118	Lab Control Sample	Total/NA	Water	300.0	
LCS 400-555317/5	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-555317/119	Lab Control Sample Dup	Total/NA	Water	300.0	
LCSD 400-555317/6	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 400-555317/121	Lab Control Sample	Total/NA	Water	300.0	
MRL 400-555317/8	Lab Control Sample	Total/NA	Water	300.0	
400-210926-7 MS	MW-13	Total/NA	Water	300.0	
400-210926-7 MSD	MW-13	Total/NA	Water	300.0	

Analysis Batch: 555556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210926-2	DUP-01	Total/NA	Water	300.0	
400-210926-23	MW-14	Total/NA	Water	300.0	
MB 400-555556/6	Method Blank	Total/NA	Water	300.0	

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

HPLC/IC (Continued)

Analysis Batch: 555556 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-555556/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-555556/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 400-555556/7	Lab Control Sample	Total/NA	Water	300.0	
400-210926-15 MS	MW-78	Total/NA	Water	300.0	
400-210926-15 MSD	MW-78	Total/NA	Water	300.0	

Analysis Batch: 555747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210926-5	MW-71	Total/NA	Water	300.0	
400-210926-6	MW-15	Total/NA	Water	300.0	
400-210926-10	MW-80	Total/NA	Water	300.0	
400-210926-11	MW-75	Total/NA	Water	300.0	
400-210926-12	MW-29	Total/NA	Water	300.0	
400-210926-13	MW-28	Total/NA	Water	300.0	
MB 400-555747/33	Method Blank	Total/NA	Water	300.0	
LCS 400-555747/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-555747/32	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 400-555747/34	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 556929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210926-3	DUP-02	Total/NA	Water	300.0	
400-210926-15	MW-78	Total/NA	Water	300.0	
400-210926-16	MW-73	Total/NA	Water	300.0	
400-210926-17	MW-77	Total/NA	Water	300.0	
400-210926-19	MW-81	Total/NA	Water	300.0	
MB 400-556929/6	Method Blank	Total/NA	Water	300.0	
LCS 400-556929/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-556929/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 400-556929/7	Lab Control Sample	Total/NA	Water	300.0	
400-210926-15 MS	MW-78	Total/NA	Water	300.0	
400-210926-15 MSD	MW-78	Total/NA	Water	300.0	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 400-556301/4
Matrix: Water
Analysis Batch: 556301

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00050	U	0.0010	0.00050	mg/L			11/17/21 17:30	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 17:30	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 17:30	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/17/21 17:30	1
Tetrachloroethene	0.00012	U	0.0010	0.00012	mg/L			11/17/21 17:30	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/17/21 17:30	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/17/21 17:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 119*		*11/17/21 17:30*	*1*
Dibromofluoromethane	*95*		*75 - 126*		*11/17/21 17:30*	*1*
Toluene-d8 (Surr)	*103*		*64 - 132*		*11/17/21 17:30*	*1*

Lab Sample ID: LCS 400-556301/1002
Matrix: Water
Analysis Batch: 556301

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethane			0.0500	0.0430		mg/L		86	70 - 130		
1,1-Dichloroethene			0.0500	0.0401		mg/L		80	63 - 134		
1,2-Dichlorobenzene			0.0500	0.0509		mg/L		102	67 - 130		
cis-1,2-Dichloroethene			0.0500	0.0463		mg/L		93	68 - 130		
Tetrachloroethene			0.0500	0.0503		mg/L		101	65 - 130		
trans-1,2-Dichloroethene			0.0500	0.0446		mg/L		89	70 - 130		
Trichloroethene			0.0500	0.0456		mg/L		91	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*72 - 119*
Dibromofluoromethane	*96*		*75 - 126*
Toluene-d8 (Surr)	*102*		*64 - 132*

Lab Sample ID: 400-210926-7 MS
Matrix: Water
Analysis Batch: 556301

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,1-Dichloroethane	0.0079		0.0500	0.0456		mg/L		75	61 - 144		
1,1-Dichloroethene	0.00050	U	0.0500	0.0345		mg/L		69	54 - 147		
1,2-Dichlorobenzene	0.0051		0.0500	0.0462		mg/L		82	52 - 137		
cis-1,2-Dichloroethene	0.0019		0.0500	0.0442		mg/L		85	59 - 143		
Tetrachloroethene	0.00044	J	0.0500	0.0404		mg/L		80	52 - 133		
trans-1,2-Dichloroethene	0.00050	U	0.0500	0.0388		mg/L		78	61 - 143		
Trichloroethene	0.0028		0.0500	0.0423		mg/L		79	64 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*72 - 119*
Dibromofluoromethane	*99*		*75 - 126*

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 400-210926-7 MS
Matrix: Water
Analysis Batch: 556301

Client Sample ID: MW-13
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	*100*		*64 - 132*

Lab Sample ID: 400-210926-7 MSD
Matrix: Water
Analysis Batch: 556301

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethane	0.0079		0.0500	0.0494		mg/L		83	61 - 144	8	30
1,1-Dichloroethene	0.00050	U	0.0500	0.0380		mg/L		76	54 - 147	10	30
1,2-Dichlorobenzene	0.0051		0.0500	0.0480		mg/L		86	52 - 137	4	30
cis-1,2-Dichloroethene	0.0019		0.0500	0.0468		mg/L		90	59 - 143	6	30
Tetrachloroethene	0.00044	J	0.0500	0.0439		mg/L		87	52 - 133	8	30
trans-1,2-Dichloroethene	0.00050	U	0.0500	0.0429		mg/L		86	61 - 143	10	30
Trichloroethene	0.0028		0.0500	0.0454		mg/L		85	64 - 136	7	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*97*		*72 - 119*
Dibromofluoromethane	*98*		*75 - 126*
Toluene-d8 (Surr)	*101*		*64 - 132*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-555317/120
Matrix: Water
Analysis Batch: 555317

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/11/21 11:58	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/11/21 11:58	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/11/21 11:58	1

Lab Sample ID: MB 400-555317/7
Matrix: Water
Analysis Batch: 555317

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/21 22:19	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/21 22:19	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 22:19	1

Lab Sample ID: LCS 400-555317/118
Matrix: Water
Analysis Batch: 555317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.15		mg/L		95	90 - 110
Nitrate Nitrite as N	5.30	5.19		mg/L		98	90 - 110
Nitrite as N	3.04	3.04		mg/L		100	90 - 110

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-555317/5
Matrix: Water
Analysis Batch: 555317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.11		mg/L		93	90 - 110
Nitrate Nitrite as N	5.30	5.15		mg/L		97	90 - 110
Nitrite as N	3.04	3.04		mg/L		100	90 - 110

Lab Sample ID: LCSD 400-555317/119
Matrix: Water
Analysis Batch: 555317

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.26	2.16		mg/L		95	90 - 110	0	15
Nitrate Nitrite as N	5.30	5.23		mg/L		99	90 - 110	1	15
Nitrite as N	3.04	3.07		mg/L		101	90 - 110	1	15

Lab Sample ID: LCSD 400-555317/6
Matrix: Water
Analysis Batch: 555317

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.26	2.12		mg/L		94	90 - 110	1	15
Nitrate Nitrite as N	5.30	5.17		mg/L		98	90 - 110	0	15
Nitrite as N	3.04	3.05		mg/L		100	90 - 110	1	15

Lab Sample ID: MRL 400-555317/121
Matrix: Water
Analysis Batch: 555317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.226	0.103	^3-	mg/L		45	50 - 150
Nitrate Nitrite as N	0.530	0.403		mg/L		76	50 - 150
Nitrite as N	0.304	0.300		mg/L		99	50 - 150

Lab Sample ID: MRL 400-555317/8
Matrix: Water
Analysis Batch: 555317

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.226	0.176		mg/L		78	50 - 150
Nitrate Nitrite as N	0.530	0.425		mg/L		80	50 - 150
Nitrite as N	0.304	0.249		mg/L		82	50 - 150

Lab Sample ID: 400-210926-7 MS
Matrix: Water
Analysis Batch: 555317

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	7.3		2.26	9.49	H	mg/L		96	80 - 120
Nitrate Nitrite as N	7.5		5.30	12.7	H	mg/L		99	80 - 120
Nitrite as N	0.17		3.04	3.23	H	mg/L		101	80 - 120

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 400-210926-7 MSD
Matrix: Water
Analysis Batch: 555317

Client Sample ID: MW-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	7.3		2.26	9.51	H	mg/L		97	80 - 120	0	20
Nitrate Nitrite as N	7.5		5.30	12.8	H	mg/L		101	80 - 120	1	20
Nitrite as N	0.17		3.04	3.32	H	mg/L		104	80 - 120	3	20

Lab Sample ID: MB 400-555556/6
Matrix: Water
Analysis Batch: 555556

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/12/21 03:42	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/12/21 03:42	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/12/21 03:42	1

Lab Sample ID: LCS 400-555556/4
Matrix: Water
Analysis Batch: 555556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.09		mg/L		93	90 - 110
Nitrate Nitrite as N	5.30	5.12		mg/L		97	90 - 110
Nitrite as N	3.04	3.03		mg/L		100	90 - 110

Lab Sample ID: LCSD 400-555556/5
Matrix: Water
Analysis Batch: 555556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.26	2.20		mg/L		97	90 - 110	5	15
Nitrate Nitrite as N	5.30	5.30		mg/L		100	90 - 110	3	15
Nitrite as N	3.04	3.10		mg/L		102	90 - 110	2	15

Lab Sample ID: MRL 400-555556/7
Matrix: Water
Analysis Batch: 555556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.226	0.218		mg/L		97	50 - 150
Nitrate Nitrite as N	0.530	0.474		mg/L		89	50 - 150
Nitrite as N	0.304	0.256		mg/L		84	50 - 150

Lab Sample ID: 400-210926-15 MS
Matrix: Water
Analysis Batch: 555556

Client Sample ID: MW-78
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	36	H E	2.26	36.8	H E 4	mg/L		39	80 - 120
Nitrate Nitrite as N	36	H E	5.30	39.9	H E 4	mg/L		73	80 - 120
Nitrite as N	0.083	U H	3.04	3.05	H	mg/L		100	80 - 120

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 400-210926-15 MSD
Matrix: Water
Analysis Batch: 555556

Client Sample ID: MW-78
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	36	H E	2.26	36.8	H E 4	mg/L		42	80 - 120	0	20
Nitrate Nitrite as N	36	H E	5.30	39.9	H E 4	mg/L		73	80 - 120	0	20
Nitrite as N	0.083	U H	3.04	3.09	H	mg/L		102	80 - 120	1	20

Lab Sample ID: MB 400-555747/33
Matrix: Water
Analysis Batch: 555747

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/12/21 21:36	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/12/21 21:36	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/12/21 21:36	1

Lab Sample ID: LCS 400-555747/4
Matrix: Water
Analysis Batch: 555747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.18		mg/L		96	90 - 110
Nitrate Nitrite as N	5.30	5.26		mg/L		99	90 - 110
Nitrite as N	3.04	3.08		mg/L		101	90 - 110

Lab Sample ID: LCSD 400-555747/32
Matrix: Water
Analysis Batch: 555747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.26	2.18		mg/L		96	90 - 110	0	15
Nitrate Nitrite as N	5.30	5.26		mg/L		99	90 - 110	0	15
Nitrite as N	3.04	3.08		mg/L		101	90 - 110	0	15

Lab Sample ID: MRL 400-555747/34
Matrix: Water
Analysis Batch: 555747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.226	0.178		mg/L		79	50 - 150
Nitrate Nitrite as N	0.530	0.429		mg/L		81	50 - 150
Nitrite as N	0.304	0.251		mg/L		82	50 - 150

Lab Sample ID: MB 400-556929/6
Matrix: Water
Analysis Batch: 556929

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/22/21 13:12	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/22/21 13:12	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/22/21 13:12	1

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-556929/4
Matrix: Water
Analysis Batch: 556929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.06		mg/L		91	90 - 110
Nitrate Nitrite as N	5.30	5.03		mg/L		95	90 - 110
Nitrite as N	3.04	2.97		mg/L		98	90 - 110

Lab Sample ID: LCSD 400-556929/5
Matrix: Water
Analysis Batch: 556929

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.26	2.11		mg/L		93	90 - 110	3	15
Nitrate Nitrite as N	5.30	5.15		mg/L		97	90 - 110	2	15
Nitrite as N	3.04	3.04		mg/L		100	90 - 110	2	15

Lab Sample ID: MRL 400-556929/7
Matrix: Water
Analysis Batch: 556929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.226	0.186		mg/L		82	50 - 150
Nitrate Nitrite as N	0.530	0.409		mg/L		77	50 - 150
Nitrite as N	0.304	0.223		mg/L		73	50 - 150

Lab Sample ID: 400-210926-15 MS
Matrix: Water
Analysis Batch: 556929

Client Sample ID: MW-78
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	34	H F1	22.6	62.1	H F1	mg/L		124	80 - 120
Nitrate Nitrite as N	34	H	53.0	92.7	H	mg/L		111	80 - 120
Nitrite as N	0.83	U H	30.4	30.6	H	mg/L		101	80 - 120

Lab Sample ID: 400-210926-15 MSD
Matrix: Water
Analysis Batch: 556929

Client Sample ID: MW-78
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	34	H F1	22.6	61.6	H F1	mg/L		121	80 - 120	1	20
Nitrate Nitrite as N	34	H	53.0	92.2	H	mg/L		110	80 - 120	1	20
Nitrite as N	0.83	U H	30.4	30.6	H	mg/L		101	80 - 120	0	20

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: TB-01
Date Collected: 11/09/21 07:00
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 19:42	BEP	TAL PEN

Client Sample ID: DUP-01
Date Collected: 11/09/21 12:58
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 20:08	BEP	TAL PEN
Total/NA	Analysis	300.0		1			555556	11/11/21 15:42	KIS	TAL PEN

Client Sample ID: DUP-02
Date Collected: 11/09/21 10:51
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 06:35	KIS	TAL PEN
Total/NA	Analysis	300.0		10			556929	11/23/21 06:25	KIS	TAL PEN

Client Sample ID: MW-71
Date Collected: 11/09/21 08:05
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 20:35	BEP	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/11/21 00:23	KIS	TAL PEN
Total/NA	Analysis	300.0		5			555747	11/13/21 06:42	KIS	TAL PEN

Client Sample ID: MW-15
Date Collected: 11/09/21 08:23
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 21:01	BEP	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/11/21 00:48	KIS	TAL PEN
Total/NA	Analysis	300.0		5			555747	11/13/21 07:07	KIS	TAL PEN

Client Sample ID: MW-13
Date Collected: 11/09/21 08:36
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 17:56	BEP	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/11/21 01:13	KIS	TAL PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-12

Lab Sample ID: 400-210926-8
Matrix: Water
Date Collected: 11/09/21 08:56
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 21:28	BEP	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/11/21 01:37	KIS	TAL PEN

Client Sample ID: MW-79

Lab Sample ID: 400-210926-9
Matrix: Water
Date Collected: 11/09/21 09:10
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 02:02	KIS	TAL PEN

Client Sample ID: MW-80

Lab Sample ID: 400-210926-10
Matrix: Water
Date Collected: 11/09/21 09:24
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 02:27	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555747	11/13/21 07:32	KIS	TAL PEN

Client Sample ID: MW-75

Lab Sample ID: 400-210926-11
Matrix: Water
Date Collected: 11/09/21 09:33
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 02:52	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555747	11/13/21 07:56	KIS	TAL PEN

Client Sample ID: MW-29

Lab Sample ID: 400-210926-12
Matrix: Water
Date Collected: 11/09/21 09:42
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 03:17	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555747	11/13/21 08:21	KIS	TAL PEN

Client Sample ID: MW-28

Lab Sample ID: 400-210926-13
Matrix: Water
Date Collected: 11/09/21 09:51
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 03:42	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555747	11/13/21 08:46	KIS	TAL PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-30
Date Collected: 11/09/21 10:00
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 04:56	KIS	TAL PEN

Client Sample ID: MW-78
Date Collected: 11/09/21 10:04
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 05:21	KIS	TAL PEN
Total/NA	Analysis	300.0		10			556929	11/22/21 14:01	KIS	TAL PEN

Client Sample ID: MW-73
Date Collected: 11/09/21 10:11
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 05:46	KIS	TAL PEN
Total/NA	Analysis	300.0		10			556929	11/23/21 06:50	KIS	TAL PEN

Client Sample ID: MW-77
Date Collected: 11/09/21 10:24
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 06:11	KIS	TAL PEN
Total/NA	Analysis	300.0		10			556929	11/23/21 07:15	KIS	TAL PEN

Client Sample ID: MW-74
Date Collected: 11/09/21 10:51
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 07:00	KIS	TAL PEN

Client Sample ID: MW-81
Date Collected: 11/09/21 10:57
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 07:25	KIS	TAL PEN
Total/NA	Analysis	300.0		10			556929	11/23/21 07:39	KIS	TAL PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-8
Lab Sample ID: 400-210926-20
Date Collected: 11/09/21 11:04
Matrix: Water
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 07:50	KIS	TAL PEN

Client Sample ID: MW-72
Lab Sample ID: 400-210926-21
Date Collected: 11/09/21 11:25
Matrix: Water
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 08:15	KIS	TAL PEN

Client Sample ID: MW-76
Lab Sample ID: 400-210926-22
Date Collected: 11/09/21 11:35
Matrix: Water
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 08:39	KIS	TAL PEN

Client Sample ID: MW-14
Lab Sample ID: 400-210926-23
Date Collected: 11/09/21 11:48
Matrix: Water
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 21:54	BEP	TAL PEN
Total/NA	Analysis	300.0		1			555556	11/11/21 14:52	KIS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-555317/120
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 11:58	KIS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-555317/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/10/21 22:19	KIS	TAL PEN

Client Sample ID: Method Blank
Lab Sample ID: MB 400-555556/6
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 03:42	KIS	TAL PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: Method Blank — Lab Sample ID: MB 400-555747/33

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555747	11/12/21 21:36	KIS	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-556301/4

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 17:30	BEP	TAL PEN

Client Sample ID: Method Blank — Lab Sample ID: MB 400-556929/6

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			556929	11/22/21 13:12	KIS	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-555317/118

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 11:08	KIS	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-555317/5

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/10/21 10:19	KIS	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-555556/4

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 02:52	KIS	TAL PEN

Client Sample ID: Lab Control Sample — Lab Sample ID: LCS 400-555747/4

Date Collected: N/A
Date Received: N/A
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555747	11/12/21 20:46	KIS	TAL PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-556301/1002**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 16:31	BEP	TAL PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-556929/4**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			556929	11/22/21 12:22	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-555317/119**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 11:33	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-555317/6**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/10/21 21:54	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-555556/5**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 03:17	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-555747/32**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555747	11/12/21 21:11	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup — **Lab Sample ID: LCSD 400-556929/5**
Date Collected: N/A — **Matrix: Water**
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			556929	11/22/21 12:47	KIS	TAL PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-555317/121
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/11/21 12:23	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-555317/8
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/10/21 22:44	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-555556/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 04:07	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-555747/34
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555747	11/12/21 22:00	KIS	TAL PEN

Client Sample ID: Lab Control Sample
Lab Sample ID: MRL 400-556929/7
Date Collected: N/A
Matrix: Water
Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			556929	11/22/21 13:36	KIS	TAL PEN

Client Sample ID: MW-13
Lab Sample ID: 400-210926-7 MS
Date Collected: 11/09/21 08:36
Matrix: Water
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 18:23	BEP	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/11/21 09:54	KIS	TAL PEN

Client Sample ID: MW-13
Lab Sample ID: 400-210926-7 MSD
Date Collected: 11/09/21 08:36
Matrix: Water
Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	556301	11/17/21 18:49	BEP	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/11/21 10:19	KIS	TAL PEN

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Client Sample ID: MW-78

Date Collected: 11/09/21 10:04
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-15 MS

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 01:38	KIS	TAL PEN
Total/NA	Analysis	300.0		10			556929	11/22/21 14:26	KIS	TAL PEN

Client Sample ID: MW-78

Date Collected: 11/09/21 10:04
Date Received: 11/10/21 09:13

Lab Sample ID: 400-210926-15 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 02:27	KIS	TAL PEN
Total/NA	Analysis	300.0		10			556929	11/22/21 14:51	KIS	TAL PEN

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
300.0	Anions, Ion Chromatography	MCAWW	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = Eurofins TestAmerica, Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan Blanco South

Job ID: 400-210926-1

Laboratory: Eurofins TestAmerica, Pensacola

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	11-30-21
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
Washington	State	C915	05-15-22
West Virginia DEP	State	136	12-31-21

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: SRL	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-105809-37684.1
Client Contact: Steve Varsa	Phone: 913 980 0281	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 1 of 3
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD801913			
Email: steve.varsa@stantec.com	WO #:			
Project Name: CMI Kinder Morgan Blanco South	Project #: 40012762			
Site:	SSOW#:			

Analysis Requested

400-210926 COC

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Blanco South Fire Pit Analytes 8260	300_ORGFMS - Nitrate & Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
TB-01	11/9/21	0700	G	Water	N	N	2	0	2	Trip Blank
DUP-01	11/9/21	1258	G	Water	N	N	3	1	4	Blind Dup
DUP-02	11/9/21	1051	G	Water	N	N	0	1	1	Blind Dup
Excess Volume	11/9/21	—	—	Water					1	250mL excess
MW-71	11/9/21	0805	G	Water	N	N	3	1	4	
MW-15	11/9/21	0823	G	Water	N	N	3	1	4	
MW-13	11/9/21	0836	G	Water	N	Y	9	3	12	MS/MSD
MW-12	11/9/21	0856	G	Water	N	N	3	1	4	
MW-79	11/9/21	0910	G	Water	N	N	0	1	1	
MW-80	11/9/21	0924	G	Water	N	N	0	1	1	
MW-73	11/9/21	0933	G	Water	N	N	0	1	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Sam Nelson	11/9/2021 1315	STN			
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 11.10.21 09:13	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.0°C 0.5°C IR9

Ver: 06/08/2021

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-105809-37684.2
Client Contact: Steve Varsa	Phone:	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 2 of 3
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD801913			
Email: steve.varsa@stantec.com	WO #:			
Project Name: CMI Kinder Morgan Blanco South	Project #: 40012762			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCl	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS	8260B - Blanco South Fire Pit Analytes 8260	300_ORGFMS - Nitrate & Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-29	11/9/21	0942	G	Water	N	N	0	1	1	
MW-28	11/9/21	0951	G	Water	N	N	0	1	1	
MW-30	11/9/21	1000	G	Water	N	N	0	1	1	
MW-78	11/9/21	1004	G	Water	N	Y	0	3	3	MS/MSD
MW-73	11/9/21	1011	G	Water	N	N	0	1	1	
MW-77	11/9/21	1024	G	Water	N	N	0	1	1	
MW-74	11/9/21	1051	G	Water	N	N	0	1	1	
MW-81	11/9/21	1057	G	Water	N	N	0	1	1	
MW-8	11/9/21	1104	G	Water	N	N	0	1	1	
MW-72	11/9/21	1123	G	Water	N	N	0	1	1	
MW-76	11/9/21	1135	G	Water	N	N	0	1	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 11/9/21 1315	Company STN	Received by: / Date/Time: / Company
Relinquished by:	Date/Time:	Company	Received by: / Date/Time: / Company
Relinquished by:	Date/Time:	Company	Received by: / Date/Time: 11.10.21 09:13 / Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins TestAmerica, Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone: 850-474-1001 Fax: 850-478-2671

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Edwards, Marty P	Carrier Tracking No(s):	COC No: 400-105809-37684.3
Client Contact: Steve Varsa	Phone:	E-Mail: Marty.Edwards@Eurofinset.com	State of Origin:	Page: Page 3 of 3
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested:			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD801913			
Email: steve.varsa@stantec.com	WO #:			
Project Name: CMI Kinder Morgan Blanco South	Project #: 40012762			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS / S	8260B - Blanco South Fire Pit Analytes 8260	300_ORGFMS - Nitrate & Nitrite	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N		
MW-14	11/9/21	1148	G	Water	N	N	3	1	4	
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 11/9/21 1315	Company STN	Received by:
Relinquished by:	Date/Time:	Company	Received by:
Relinquished by:	Date/Time:	Company	Received by:

Date/Time:	Company
Date/Time: 11.10.21 09:13	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-210926-1

Login Number: 210926 **List Source: Eurofins TestAmerica, Pensacola**
List Number: 1
Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0, 0.5°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

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

CONDITIONS

Action 94595

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 94595
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. See app ID 202015 for most updated status.	4/26/2023