Review of 2022 ANNUAL GROUNDWATER MONITORING REPORT: **Content satisfactory**

1. Continue Planned Future Activities as stated within 2022 annual groundwater monitoring report.
2. Submit summarized activities completed and their results in next annual report. Submittal to OCD expected no later than April 1, 2024.

Stantec

# 2022 ANNUAL GROUNDWATER MONITORING REPORT

Blanco Plant – South Flare Pit and
D Plant Areas

NMOCD Incident No. nAPP2110640022

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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 2022 Annual Groundwater Monitoring Report has been prepared on behalf of El Paso Natural Gas Company, LLC (EPNG) to present the results of the 2022 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 2022 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 2002, the majority of the Blanco Gas Plant facilities 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, and continues to own the property on which the gas plant is located. Properties adjacent to the Site include the following:

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

## 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 (1,1-DCA) 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 which were 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 $2.1 \times 10^{-4}$ 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 SFP and D Plant Areas in November 2022. Stantec provided notification of field work via email to the NMOCD on October 26, 2022, prior to initiating sampling and monitoring activities at the Site. A copy of the 2022 NMOCD notification is provided in Appendix A.

The following sections summarize the activities conducted during 2022.

## 3.1 DEPTH TO WATER MEASUREMENTS

Site-wide groundwater gauging activities were performed on November 1, 2022, 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 1, 2022, to provide for an evaluation of the groundwater flow configuration 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 2022 groundwater gauging data and resulting groundwater elevations are included with historical gauging results on Table 1.

## 3.2 GROUNDWATER SAMPLING

On November 3, 2022, 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 2021 annual groundwater sampling event. Following the 2022 sampling activities, Stantec installed new HydraSleeves in the monitoring wells to facilitate future groundwater sampling.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to the Eurofins Environment Testing Southeast, LLC (Eurofins) laboratory, located in Pensacola, Florida. One laboratory-originated 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 additionally 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 decontamination fluids generated during the groundwater sampling event was containerized and transported to Envirotech, Inc. located in Bloomfield, New Mexico, for treatment and disposal. Waste disposal documentation is included as Appendix B. 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 1, 2022 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 flow configuration across the Blanco Plant is generally consistent with that reported for the previous gauging event in November 2021.

## 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. The following is a summary of the findings based on the analytical data reported in 2022 for the Site:

- 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 0.0024 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 not detected at or above the NMWQCC Standard (0.1 mg/L) in the samples collected from the five monitoring wells for analysis of VOCs.
- 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 (13 mg/L), MW-28 (27 mg/L), MW-29 (91 mg/L), MW-30 (14 mg/L), MW-71 (16 mg/L), MW-73 (27 mg/L), MW-75 (61 mg/L), MW-77 (56 mg/L), MW-78 (12 mg/L), MW-80 (88 mg/L), and MW-81 (42 mg/L). Nitrate was either not detected or detected at concentrations below the NMWQCC standard in the remaining site wells.

Field duplicate samples were collected from monitoring wells MW-14 (DUP-01) and MW-28 (DUP-02) during the 2022 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 2022.

# 5.0 PLANNED FUTURE ACTIVITIES

Annual groundwater monitoring is scheduled to continue in 2023. 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 be analyzed for VOCs.

The activities completed in 2023 and their results will be summarized in the 2023 Annual Report, to be submitted by April 1, 2024.

# 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 |
| | | 11/1/2022 | 32.50 | 5549.11 |
| **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 |
| | | 11/1/2022 | 16.44 | 5588.60 |

**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 |
| | | 11/1/2022 | 13.61 | 5587.03 |
| **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 |
| | | 11/1/2022 | 14.62 | 5586.92 |
| **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 |
| | | 11/1/2022 | 18.21 | 5581.61 |
| **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 |
| | | 11/1/2022 | 26.17 | 5549.71 |
| **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 |
| | | 11/1/2022 | 28.10 | 5550.30 |
| **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 |
| | | 11/1/2022 | 28.88 | 5549.51 |
| **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 |
| | | 11/1/2022 | 23.08 | 5573.24 |
| **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 |
| | | 11/1/2022 | 17.13 | 5552.38 |

**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 |
| | | 11/1/2022 | 29.12 | 5549.58 |
| **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 |
| | | 11/1/2022 | 22.26 | 5549.21 |
| **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 |
| | | 11/1/2022 | 32.31 | 5550.35 |
| **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 |
| | | 11/1/2022 | 14.33 | 5552.80 |
| **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 |
| | | 11/1/2022 | 21.07 | 5553.45 |

**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-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 |
| | | 11/1/2022 | 26.16 | 5550.11 |
| **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 |
| | | 11/1/2022 | 33.38 | 5549.97 |
| **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 |
| | | 11/1/2022 | 32.04 | 5555.36 |
| **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 |
| | | 11/1/2022 | 27.32 | 5549.18 |

**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** |
| | 11/3/2022 | **0.00060 J** | **0.00098 J** | <0.00050 | <0.00050 | **0.00043 J** | **0.00081 J** | **0.00099 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** |
| | 11/3/2022 | **0.0048** | **0.0024** | <0.00050 | <0.00050 | **0.00084 J** | **0.0014** | <0.00090 |
| 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 |
| | 11/3/2022 | **0.0020** | **0.00053 J** | <0.00050 | <0.00050 | <0.00020 | **0.00027 J** | <0.00090 |
| DUP-01 (Duplicate) | 11/3/2022 | **0.0021** | **0.00064 J** | <0.00050 | <0.00050 | <0.00020 | **0.00024 J** | <0.00090 |

**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 | 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 |
| | 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 |
| | 11/3/2022 | **0.0016** | <0.00050 | <0.00050 | <0.00050 | <0.00020 | <0.00015 | <0.00090 |
| 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** |
| | 11/3/2022 | **0.00065 J** | <0.00050 | <0.00050 | <0.00050 | <0.00020 | **0.00044 J** | **0.0014** |

**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** | |
| | 11/3/2022 | **<0.32** | **UJ** |
| **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** | |
| | 11/3/2022 | **5.2** | **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-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** | |
| | 11/3/2022 | **8.1 H** | **J-** |
| **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** | |
| | 11/3/2022 | **6.0** | |
| **DUP-01 (Duplicate)** | 11/3/2022 | **5.7** | **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-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-** |
| | 11/3/2022 | **13** | |
| **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-** |
| | 11/3/2022 | **27 H** | **J-** |
| **DUP-02 (Duplicate)** | 11/3/2022 | **26 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-** |
| | 11/3/2022 | **91 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** | |
| | 11/3/2022 | **14** | |
| **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-** |
| | 11/3/2022 | **16** | |

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

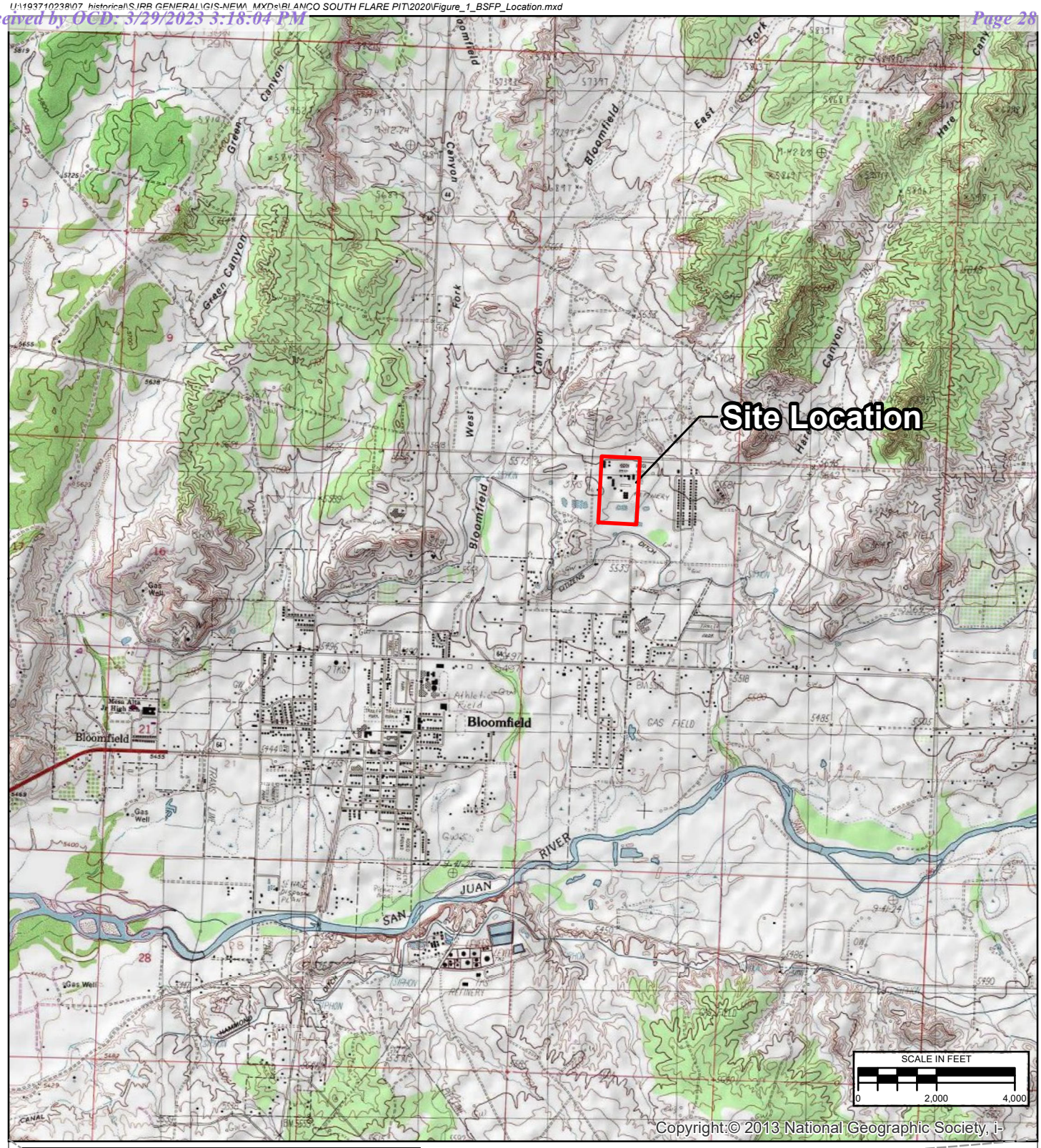
| Monitoring Well | Sample Date | Nitrate/Nitrite (mg/L) | |
|---|---|---|---|
| NMWQCC Standard (mg/L): | | 10 | |
| MW-72 | 2/11/2015 | 9.15 | |
| | 12/16/2015 | 28.7 | |
| | 12/14/2016 | 10 | |
| | 11/15/2017 | 6.08 | |
| | 11/15/2018 | 9.99 | |
| | 10/15/2019 | 24.9 | J |
| | 11/18/2020 | 9.6 | J- |
| | 11/9/2021 | 9.6 | |
| | 11/3/2022 | 9.3 | |
| 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- |
| | 11/3/2022 | 27 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 | |
| | 11/3/2022 | 5.4 | |
| 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- |
| | 11/3/2022 | 61 | |
| 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- |
| | 119/2021 | 0.15 | |
| | 11/3/2022 | 0.25 | |
| 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- |
| | 11/3/2022 | 56 | |
| 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- |
| | 11/3/2022 | 12 | |

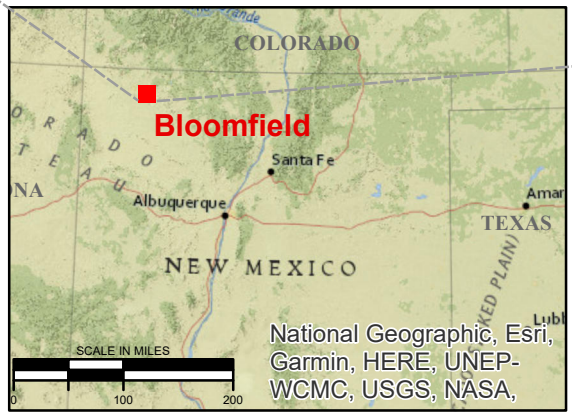
**Table 3**
***Summary of Groundwater Nitrate/Nitrite Analytical Results***
***Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico***

| Monitoring Well | Sample Date | Nitrate/Nitrite (mg/L) | |
|---|---|---|---|
| **NMWQCC Standard (mg/L):** | | **10** | |
| **MW-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** | |
| | 11/3/2022 | **0.36 J** | |
| **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-** |
| | 11/3/2022 | **88** | |
| **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-** |
| | 11/3/2022 | **42** | |

**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.
UJ = The analyte was analyzed for, but not detected. Due to a quality control deficiency identified during data validation the value reported may not accurately reflect the sample quantitation limit.
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 |

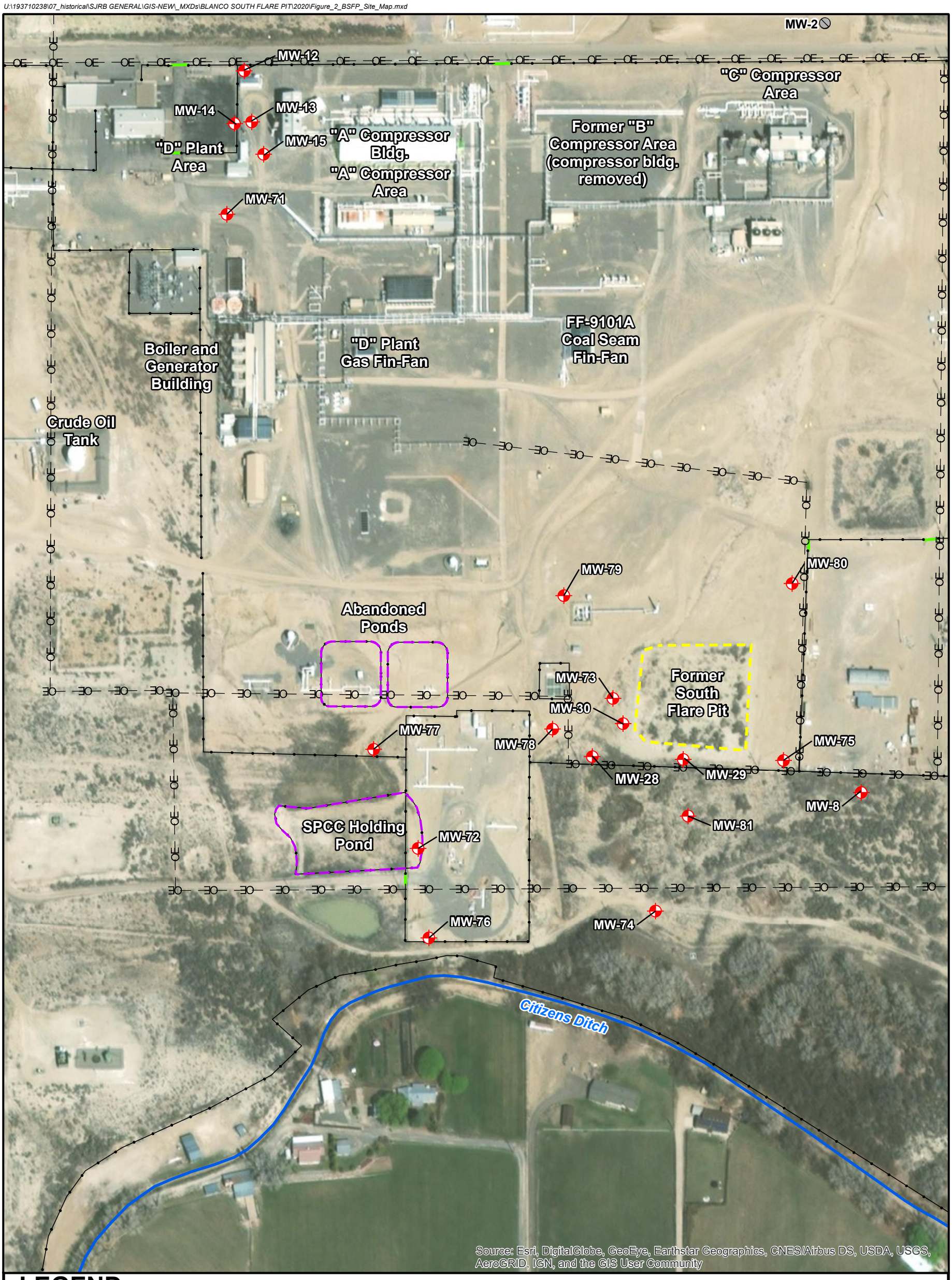
TITLE: **SITE LOCATION**

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:

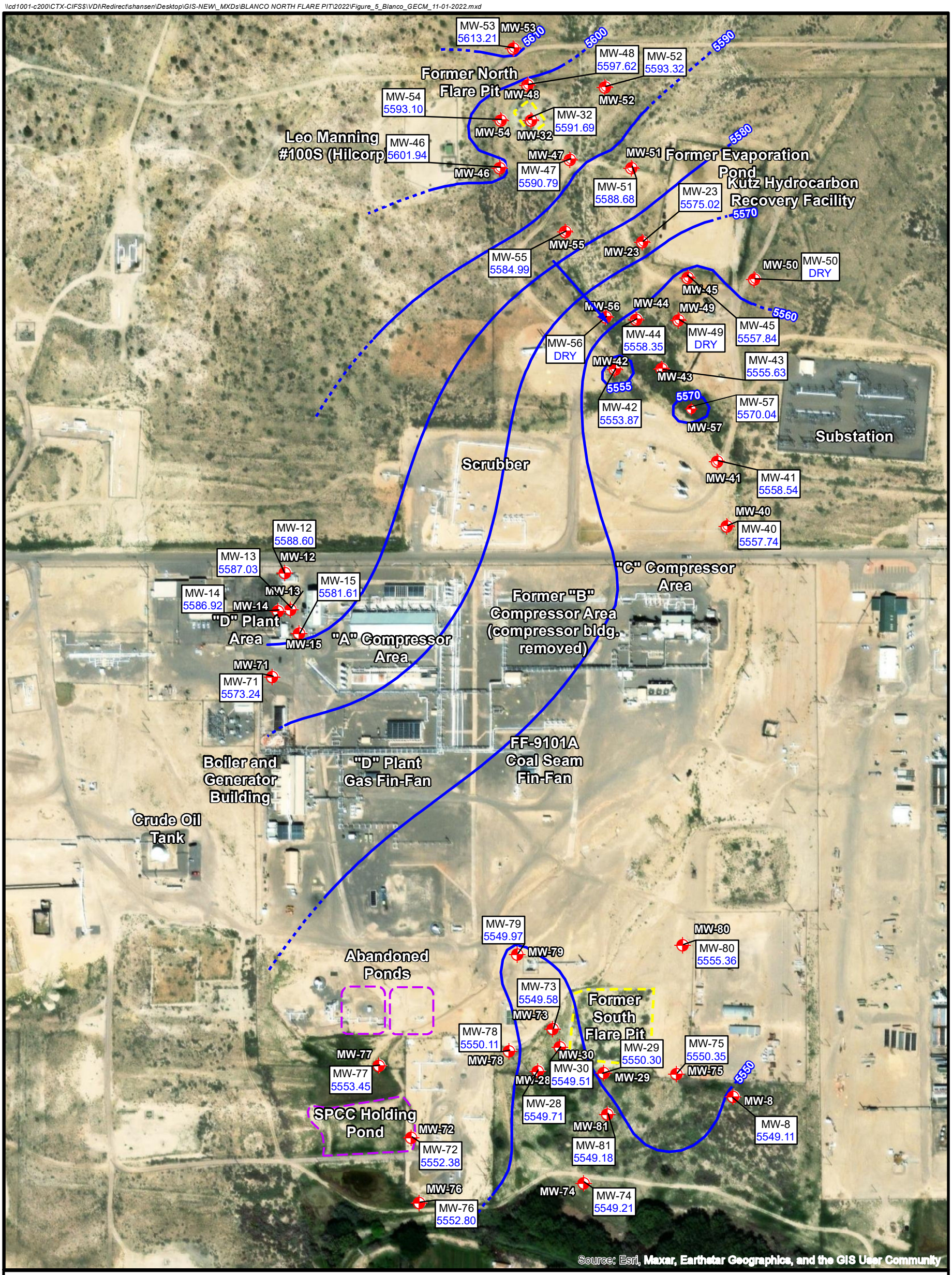
**SITE MAP**

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

Stantec

Figure No.: 2

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\BLANCO NORTH FLARE PIT\2022\Figure_5_Blanco_GECM_11-01-2022.mxd




# LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE LNAPL
- SITE FEATURE
- FLARE PIT
- 5549.11 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).
- 5570 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 |
|---|---|---|---|---|
| | 2023-03-10 | SLG | SLG | SRV |

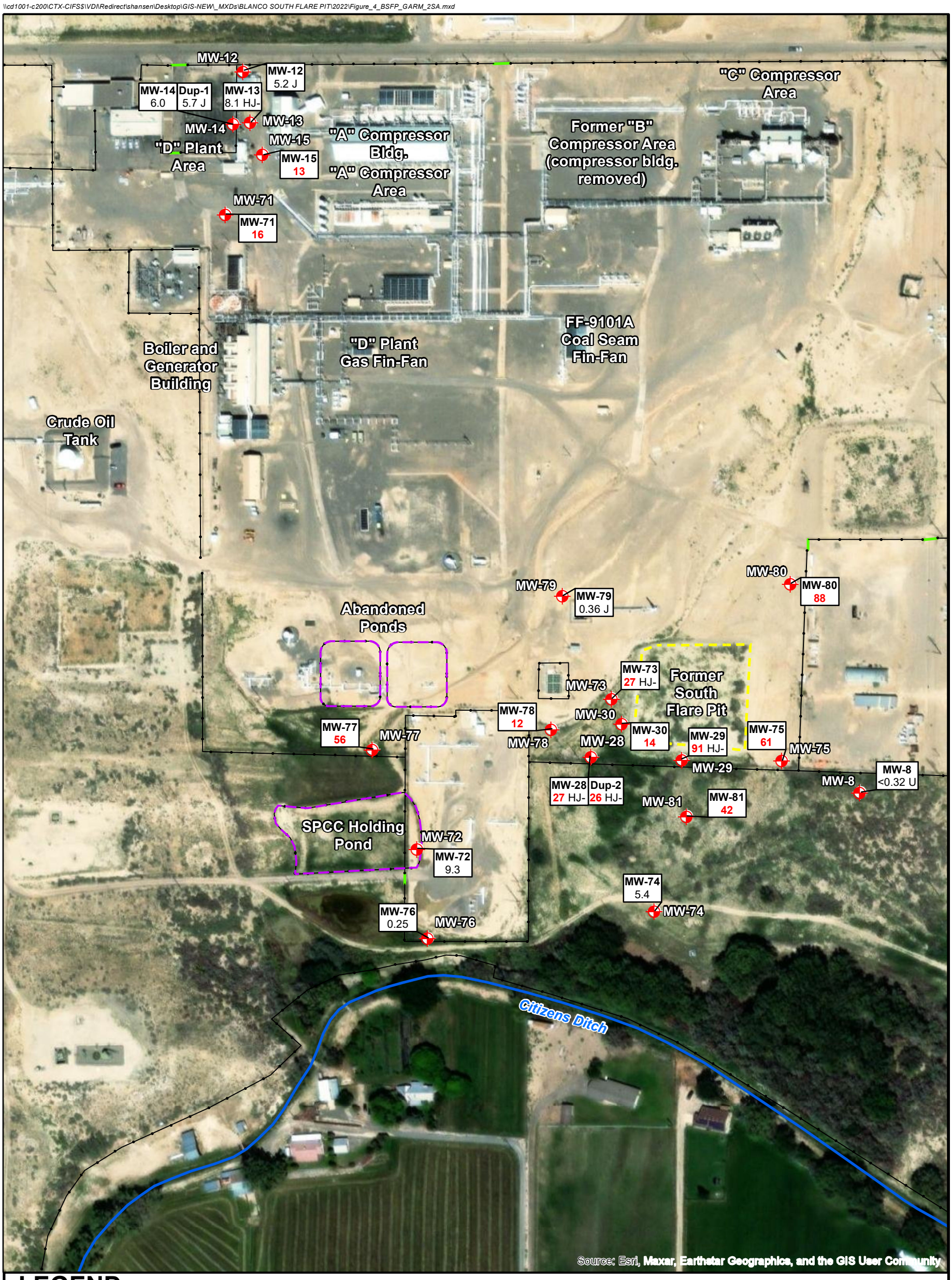
TITLE:
**GROUNDWATER ELEVATION MAP**
**NOVEMBER 01, 2022**

PROJECT:
**BLANCO PLANT**
**BLOOMFIELD, NEW MEXICO**

Stantec

Figure No.:
**3**

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\BLANCO SOUTH FLARE PIT\2022\Figure_4_BSFP_GARM_2SA.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
H = SAMPLE WAS PREPPED OR ANALYZED BEYOND THE SPECIFIED HOLDING TIME.
J = THE ANALYTE WAS POSITIVELY IDENTIFIED; THE QUANTITATION IS AN ESTIMATION.
J- =THE ANALYTE WAS POSITIVELY IDENTIFIED; THE QUANTITATION IS AN ESTIMATION WITH A POTENTIAL LOW BIAS.
U = INDICATES THE ANALYTE WAS ANALYZED FOR BUT NOT DETECTED.

| ANALYTE | NMWQCC STANDARD |
|---|---|
| Nitrate | 10 mg/L |

N

SCALE IN FEET
0 150 300

| REVISION | DATE | DESIGN BY | DRAWN BY | REVIEWED BY |
|---|---|---|---|---|
| | 2023-03-25 | SLG | SLG | SRV |

TITLE:
***GROUNDWATER ANALYTICAL RESULTS - NITRATE NOVEMBER 3, 2022***

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

Stantec

Figure No.: **4**

# APPENDICES

# APPENDIX A

**From:** Varsa, Steve
**To:** Nelson.Velez@state.nm.us
**Cc:** Bratcher, Mike, EMNRD; Wiley, Joe
**Subject:** El Paso Natural Gas Company - Blanco Gas Plant/South Flare Pit and D Plant Area, Bloomfield (Incident Number NAPP2110640022) - notice of upcoming groundwater sampling activities
**Date:** Wednesday, October 26, 2022 3:22:48 PM

---

Hi Nelson -

This correspondence is to provide notice to the NMOCD of groundwater sampling and monitoring activities at the above-referenced El Paso Natural Gas Company (EPNG) site. These activities are to occur on November 1 and 3, 2022.

Please feel free to contact Joe Wiley, Project Manager at EPNG, or me, if you need further information.

Thank you,
Steve

**Stephen Varsa, P.G., R.G.**
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

# APPENDIX B

envirotech

# Bill of Lading

MANIFEST # 76299
GENERATOR El Paso
POINT OF ORIGIN Blancogas Plant South Flare Pit
TRANSPORTER Envirotech
DATE 11-07-22 JOB # 1H073-0070

PHONE: (505) 632-0615 • 5796 U.S. HIGHWAY 64 • FARMINGTON, NEW MEXICO 87401

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT | | | | | | TRANSPORTING COMPANY | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | DESTINATION | MATERIAL | GRID | YDS | BBLS | DRUMS | TKT# | TRK# | TIME | DRIVER SIGNATURE |
| 1 | BF | Tank bottoms Cont Liquid | | | | 1 | 01154 | 937 | 0845 | Andrew Musso |
| | | | | | | | | | | |
| | | | | | | 1 | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| RESULTS | | | LANDFARM EMPLOYEE | NOTES |
|---|---|---|---|---|
| -29 | CHLORIDE TEST | 1 | Cory Colinso DR | |
| | CHLORIDE TEST | | ☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out | |
| | CHLORIDE TEST | | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. | |
| PASS | PAINT FILTER TEST | 1 | | |

Generator Onsite Contact _____ Phone _____

*Signatures required prior to distribution of the legal document.* DISTRIBUTION: **White** - Company Records / Billing **Yellow** - Customer **Pink** - LF Copy



SAN JUAN PRINTING 2021 407-3

envirotech

BOL# 76299

# CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11-07-22 TIME 0845

CUSTOMER El paso

SITE Blanco gas Plant + South Flare Pit

DRIVER Andrew Musso

SAMPLE Soil Straight _____ With Dirt X

**CHLORIDE TEST** -291 mg/Kg

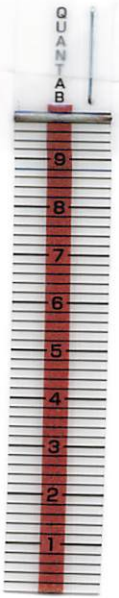
ACCEPTED YES X NO _____

**PAINT FILTER TEST** Time started 0845 Time completed 0858

PASS YES X NO _____

SAMPLER/ANALYST Cory Coleman

Attach test strip here




5796 US Hwy 64, Farmington, NM 87401 Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 info@envirotech-inc.com envirotech-inc.com

# APPENDIX C

eurofins | Environment Testing



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Steve Varsa
Stantec Consulting Services Inc
11311 Aurora Avenue
Des Moines Iowa 50322-7904

Generated 11/18/2022 12:16:37 PM

## JOB DESCRIPTION

CMI Kinder Morgan Blanco South
SDG NUMBER Blanco SFP

## JOB NUMBER

400-228380-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514



my EOL

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

Laboratory Job ID: 400-228380-1
SDG: Blanco SFP

# Table of Contents

# Case Narrative

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Job ID: 400-228380-1

### Laboratory: Eurofins Pensacola

**Narrative**

**Job Narrative**
**400-228380-1**

**Comments**
No additional comments.

**Receipt**
The samples were received on 11/4/2022 8:59 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 2.4º C and 4.5º C.

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

**HPLC/IC**
Method 300.0: The following continuing calibration blank (CCB) 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. (CCB 400-599322/24), (CCB 400-599322/36), (CCB 400-599322/48) and (CCB 400-599322/56)

Method 300.0: The following samples were diluted due to the abundance of non-target analytes: DUP-01 (400-228380-3), DUP-02 (400-228380-4), MW-8 (400-228380-5), MW-12 (400-228380-6), MW-13 (400-228380-7), MW-14 (400-228380-8), MW-15 (400-228380-9), MW-28 (400-228380-10), MW-29 (400-228380-11), MW-30 (400-228380-12), MW-71 (400-228380-13), MW-72 (400-228380-14), MW-73 (400-228380-15),MW-74 (400-228380-16), MW-75 (400-228380-17), MW-76 (400-228380-18), MW-77 (400-228380-19), MW-78 (400-228380-20), MW-79 (400-228380-21), MW-80 (400-228380-22) and MW-81 (400-228380-23). Elevated reporting limits (RLs) are provided.

Method 300.0: The continuing calibration verification (CCV) associated with batch 400-599322 recovered above the upper control limit for Nitrate as N. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 300.0: Reanalysis of the following samples was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. DUP-01 (400-228380-3), DUP-02 (400-228380-4) and MW-12 (400-228380-6), MW-13 (400-228380-7), MW-28 (400-228380-10), MW-29 (400-228380-11) and MW-73 (400-228380-15). Both sets of data have been reported

Method 300.0: The continuing calibration verification (CCV) for analytical batch 400-599322 recovered outside control limits for the following analytes: Nitrate as N. The associated samples wer re-prepared and/or re-analyzed outside holding time. DUP-01 (400-228380-3), (400-228380-6) and MW-13 (400-228380-7). Both sets of data have been reported.

Method 300.0: The continuing calibration blank (CCB) for analytical batch 400-600299 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.

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: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: TB-01 — Lab Sample ID: 400-228380-2

No Detections.

## Client Sample ID: DUP-01 — Lab Sample ID: 400-228380-3

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.0021 | | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| 1,2-Dichlorobenzene | 0.00064 | J | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 0.00024 | J | 0.0010 | 0.00015 | mg/L | 1 | | 8260B | Total/NA |
| Nitrate as N | 5.7 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate as N | 5.3 | H | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 5.7 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 5.8 | H | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrite as N | 0.45 | J H | 0.50 | 0.42 | mg/L | 5 | | 300.0 | Total/NA |

## Client Sample ID: DUP-02 — Lab Sample ID: 400-228380-4

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 24 | E | 0.20 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 26 | H | 0.40 | 0.25 | mg/L | 4 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 24 | E | 0.20 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 26 | H | 0.40 | 0.25 | mg/L | 4 | | 300.0 | Total/NA |

## Client Sample ID: MW-8 — Lab Sample ID: 400-228380-5

No Detections.

## Client Sample ID: MW-12 — Lab Sample ID: 400-228380-6

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.00060 | J | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| 1,2-Dichlorobenzene | 0.00098 | J | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 0.00043 | J | 0.0010 | 0.00020 | mg/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 0.00099 | J | 0.0010 | 0.00090 | mg/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 0.00081 | J | 0.0010 | 0.00015 | mg/L | 1 | | 8260B | Total/NA |
| Nitrate as N | 5.2 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate as N | 5.3 | H | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 5.2 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 5.3 | H | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |

## Client Sample ID: MW-13 — Lab Sample ID: 400-228380-7

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.0048 | | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| 1,2-Dichlorobenzene | 0.0024 | | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| cis-1,2-Dichloroethene | 0.00084 | J | 0.0010 | 0.00020 | mg/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 0.0014 | | 0.0010 | 0.00015 | mg/L | 1 | | 8260B | Total/NA |
| Nitrate as N | 8.8 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate as N | 8.0 | H | 0.10 | 0.063 | mg/L | 1 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 8.8 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 8.1 | H | 0.10 | 0.063 | mg/L | 1 | | 300.0 | Total/NA |
| Nitrite as N | 0.13 | H | 0.10 | 0.083 | mg/L | 1 | | 300.0 | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

# Detection Summary

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-14 — Lab Sample ID: 400-228380-8

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.0020 | | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| 1,2-Dichlorobenzene | 0.00053 | J | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 0.00027 | J | 0.0010 | 0.00015 | mg/L | 1 | | 8260B | Total/NA |
| Nitrate as N | 6.0 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 6.0 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |

## Client Sample ID: MW-15 — Lab Sample ID: 400-228380-9

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.0016 | | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| Nitrate as N | 13 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 13 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |

## Client Sample ID: MW-28 — Lab Sample ID: 400-228380-10

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 24 | E | 0.20 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 27 | H | 0.40 | 0.25 | mg/L | 4 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 24 | E | 0.20 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 27 | H | 0.40 | 0.25 | mg/L | 4 | | 300.0 | Total/NA |

## Client Sample ID: MW-29 — Lab Sample ID: 400-228380-11

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 78 | E | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate as N | 90 | H | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 79 | E | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 91 | H | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrite as N | 0.74 | | 0.50 | 0.42 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrite as N | 1.1 | H | 1.0 | 0.83 | mg/L | 10 | | 300.0 | Total/NA |

## Client Sample ID: MW-30 — Lab Sample ID: 400-228380-12

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 14 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 14 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrite as N | 0.42 | J | 0.50 | 0.42 | mg/L | 5 | | 300.0 | Total/NA |

## Client Sample ID: MW-71 — Lab Sample ID: 400-228380-13

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethane | 0.00065 | J | 0.0010 | 0.00050 | mg/L | 1 | | 8260B | Total/NA |
| Tetrachloroethene | 0.0014 | | 0.0010 | 0.00090 | mg/L | 1 | | 8260B | Total/NA |
| Trichloroethene | 0.00044 | J | 0.0010 | 0.00015 | mg/L | 1 | | 8260B | Total/NA |
| Nitrate as N | 16 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 16 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |

## Client Sample ID: MW-72 — Lab Sample ID: 400-228380-14

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 9.3 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 9.3 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

# Detection Summary

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-73 — Lab Sample ID: 400-228380-15

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 24 | E | 0.20 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate as N | 27 | H | 0.40 | 0.25 | mg/L | 4 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 24 | E | 0.20 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 27 | H | 0.40 | 0.25 | mg/L | 4 | | 300.0 | Total/NA |

## Client Sample ID: MW-74 — Lab Sample ID: 400-228380-16

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 5.4 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 5.4 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |

## Client Sample ID: MW-75 — Lab Sample ID: 400-228380-17

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 61 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 61 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |

## Client Sample ID: MW-76 — Lab Sample ID: 400-228380-18

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 0.25 | | 0.10 | 0.063 | mg/L | 1 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 0.25 | | 0.10 | 0.063 | mg/L | 1 | | 300.0 | Total/NA |

## Client Sample ID: MW-77 — Lab Sample ID: 400-228380-19

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 56 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 56 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |

## Client Sample ID: MW-78 — Lab Sample ID: 400-228380-20

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 12 | | 0.20 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 12 | | 0.20 | 0.13 | mg/L | 2 | | 300.0 | Total/NA |

## Client Sample ID: MW-79 — Lab Sample ID: 400-228380-21

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 0.36 | J | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 0.36 | J | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |

## Client Sample ID: MW-80 — Lab Sample ID: 400-228380-22

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 88 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 88 | | 1.0 | 0.63 | mg/L | 10 | | 300.0 | Total/NA |

## Client Sample ID: MW-81 — Lab Sample ID: 400-228380-23

| Analyte | Result | Qualifier | RL | MDL | Unit | Dil Fac | D | Method | Prep Type |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 42 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |
| Nitrate Nitrite as N | 42 | | 0.50 | 0.32 | mg/L | 5 | | 300.0 | Total/NA |

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

# Method Summary

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

Job ID: 400-228380-1
SDG: Blanco SFP

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

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

# Sample Summary

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

Job ID: 400-228380-1
SDG: Blanco SFP

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---|---|---|---|---|
| 400-228380-2 | TB-01 | Water | 11/03/22 07:00 | 11/04/22 08:59 |
| 400-228380-3 | DUP-01 | Water | 11/03/22 12:00 | 11/04/22 08:59 |
| 400-228380-4 | DUP-02 | Water | 11/03/22 12:00 | 11/04/22 08:59 |
| 400-228380-5 | MW-8 | Water | 11/03/22 11:14 | 11/04/22 08:59 |
| 400-228380-6 | MW-12 | Water | 11/03/22 09:00 | 11/04/22 08:59 |
| 400-228380-7 | MW-13 | Water | 11/03/22 08:45 | 11/04/22 08:59 |
| 400-228380-8 | MW-14 | Water | 11/03/22 11:42 | 11/04/22 08:59 |
| 400-228380-9 | MW-15 | Water | 11/03/22 08:30 | 11/04/22 08:59 |
| 400-228380-10 | MW-28 | Water | 11/03/22 09:46 | 11/04/22 08:59 |
| 400-228380-11 | MW-29 | Water | 11/03/22 09:27 | 11/04/22 08:59 |
| 400-228380-12 | MW-30 | Water | 11/03/22 09:42 | 11/04/22 08:59 |
| 400-228380-13 | MW-71 | Water | 11/03/22 08:12 | 11/04/22 08:59 |
| 400-228380-14 | MW-72 | Water | 11/03/22 10:26 | 11/04/22 08:59 |
| 400-228380-15 | MW-73 | Water | 11/03/22 09:37 | 11/04/22 08:59 |
| 400-228380-16 | MW-74 | Water | 11/03/22 10:59 | 11/04/22 08:59 |
| 400-228380-17 | MW-75 | Water | 11/03/22 09:21 | 11/04/22 08:59 |
| 400-228380-18 | MW-76 | Water | 11/03/22 10:31 | 11/04/22 08:59 |
| 400-228380-19 | MW-77 | Water | 11/03/22 10:46 | 11/04/22 08:59 |
| 400-228380-20 | MW-78 | Water | 11/03/22 10:16 | 11/04/22 08:59 |
| 400-228380-21 | MW-79 | Water | 11/03/22 10:02 | 11/04/22 08:59 |
| 400-228380-22 | MW-80 | Water | 11/03/22 09:10 | 11/04/22 08:59 |
| 400-228380-23 | MW-81 | Water | 11/03/22 11:07 | 11/04/22 08:59 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: TB-01

**Date Collected: 11/03/22 07:00**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-2

**Matrix: Water**

### Method: SW846 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 | | | 11/15/22 17:21 | 1 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 17:21 | 1 |
| 1,2-Dichlorobenzene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 17:21 | 1 |
| cis-1,2-Dichloroethene | 0.00020 | U | 0.0010 | 0.00020 | mg/L | | | 11/15/22 17:21 | 1 |
| Tetrachloroethene | 0.00090 | U | 0.0010 | 0.00090 | mg/L | | | 11/15/22 17:21 | 1 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 17:21 | 1 |
| Trichloroethene | 0.00015 | U | 0.0010 | 0.00015 | mg/L | | | 11/15/22 17:21 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *102* | | *72 - 119* | | *11/15/22 17:21* | *1* |
| *Dibromofluoromethane* | *101* | | *75 - 126* | | *11/15/22 17:21* | *1* |
| *Toluene-d8 (Surr)* | *101* | | *64 - 132* | | *11/15/22 17:21* | *1* |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: DUP-01

**Date Collected: 11/03/22 12:00**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-3

**Matrix: Water**

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethane** | **0.0021** | | 0.0010 | 0.00050 | mg/L | | | 11/15/22 19:31 | 1 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 19:31 | 1 |
| **1,2-Dichlorobenzene** | **0.00064** | **J** | 0.0010 | 0.00050 | mg/L | | | 11/15/22 19:31 | 1 |
| cis-1,2-Dichloroethene | 0.00020 | U | 0.0010 | 0.00020 | mg/L | | | 11/15/22 19:31 | 1 |
| Tetrachloroethene | 0.00090 | U | 0.0010 | 0.00090 | mg/L | | | 11/15/22 19:31 | 1 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 19:31 | 1 |
| **Trichloroethene** | **0.00024** | **J** | 0.0010 | 0.00015 | mg/L | | | 11/15/22 19:31 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *103* | | *72 - 119* | | *11/15/22 19:31* | *1* |
| *Dibromofluoromethane* | *98* | | *75 - 126* | | *11/15/22 19:31* | *1* |
| *Toluene-d8 (Surr)* | *100* | | *64 - 132* | | *11/15/22 19:31* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **5.7** | | 0.50 | 0.32 | mg/L | | | 11/04/22 23:09 | 5 |
| **Nitrate as N** | **5.3** | **H** | 0.50 | 0.32 | mg/L | | | 11/07/22 16:33 | 5 |
| **Nitrate Nitrite as N** | **5.7** | | 0.50 | 0.32 | mg/L | | | 11/04/22 23:09 | 5 |
| **Nitrate Nitrite as N** | **5.8** | **H** | 0.50 | 0.32 | mg/L | | | 11/07/22 16:33 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/04/22 23:09 | 5 |
| **Nitrite as N** | **0.45** | **J H** | 0.50 | 0.42 | mg/L | | | 11/07/22 16:33 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: DUP-02

**Date Collected: 11/03/22 12:00**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-4

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **24** | **E** | 0.20 | 0.13 | mg/L | | | 11/04/22 23:30 | 2 |
| **Nitrate as N** | **26** | **H** | 0.40 | 0.25 | mg/L | | | 11/07/22 17:19 | 4 |
| **Nitrate Nitrite as N** | **24** | **E** | 0.20 | 0.13 | mg/L | | | 11/04/22 23:30 | 2 |
| **Nitrate Nitrite as N** | **26** | **H** | 0.40 | 0.25 | mg/L | | | 11/07/22 17:19 | 4 |
| Nitrite as N | 0.17 | U | 0.20 | 0.17 | mg/L | | | 11/04/22 23:30 | 2 |
| Nitrite as N | 0.33 | U H | 0.40 | 0.33 | mg/L | | | 11/07/22 17:19 | 4 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-8

**Date Collected: 11/03/22 11:14**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-5

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 0.32 | U | 0.50 | 0.32 | mg/L | | | 11/04/22 23:51 | 5 |
| Nitrate Nitrite as N | 0.32 | U | 0.50 | 0.32 | mg/L | | | 11/04/22 23:51 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/04/22 23:51 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-12

**Date Collected: 11/03/22 09:00**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-6

**Matrix: Water**

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethane** | **0.00060** | **J** | 0.0010 | 0.00050 | mg/L | | | 11/15/22 19:57 | 1 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 19:57 | 1 |
| **1,2-Dichlorobenzene** | **0.00098** | **J** | 0.0010 | 0.00050 | mg/L | | | 11/15/22 19:57 | 1 |
| **cis-1,2-Dichloroethene** | **0.00043** | **J** | 0.0010 | 0.00020 | mg/L | | | 11/15/22 19:57 | 1 |
| **Tetrachloroethene** | **0.00099** | **J** | 0.0010 | 0.00090 | mg/L | | | 11/15/22 19:57 | 1 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 19:57 | 1 |
| **Trichloroethene** | **0.00081** | **J** | 0.0010 | 0.00015 | mg/L | | | 11/15/22 19:57 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *102* | | *72 - 119* | | *11/15/22 19:57* | *1* |
| *Dibromofluoromethane* | *99* | | *75 - 126* | | *11/15/22 19:57* | *1* |
| *Toluene-d8 (Surr)* | *102* | | *64 - 132* | | *11/15/22 19:57* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **5.2** | | 0.50 | 0.32 | mg/L | | | 11/05/22 00:11 | 5 |
| **Nitrate as N** | **5.3** | **H** | 0.50 | 0.32 | mg/L | | | 11/07/22 16:56 | 5 |
| **Nitrate Nitrite as N** | **5.2** | | 0.50 | 0.32 | mg/L | | | 11/05/22 00:11 | 5 |
| **Nitrate Nitrite as N** | **5.3** | **H** | 0.50 | 0.32 | mg/L | | | 11/07/22 16:56 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/05/22 00:11 | 5 |
| Nitrite as N | 0.42 | U H | 0.50 | 0.42 | mg/L | | | 11/07/22 16:56 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-13

**Date Collected: 11/03/22 08:45**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-7

**Matrix: Water**

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethane** | **0.0048** | | 0.0010 | 0.00050 | mg/L | | | 11/15/22 17:47 | 1 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 17:47 | 1 |
| **1,2-Dichlorobenzene** | **0.0024** | | 0.0010 | 0.00050 | mg/L | | | 11/15/22 17:47 | 1 |
| **cis-1,2-Dichloroethene** | **0.00084** | **J** | 0.0010 | 0.00020 | mg/L | | | 11/15/22 17:47 | 1 |
| Tetrachloroethene | 0.00090 | U | 0.0010 | 0.00090 | mg/L | | | 11/15/22 17:47 | 1 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 17:47 | 1 |
| **Trichloroethene** | **0.0014** | | 0.0010 | 0.00015 | mg/L | | | 11/15/22 17:47 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *103* | | *72 - 119* | | *11/15/22 17:47* | *1* |
| *Dibromofluoromethane* | *99* | | *75 - 126* | | *11/15/22 17:47* | *1* |
| *Toluene-d8 (Surr)* | *101* | | *64 - 132* | | *11/15/22 17:47* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **8.8** | | 1.0 | 0.63 | mg/L | | | 11/04/22 22:06 | 10 |
| **Nitrate as N** | **8.0** | **H** | 0.10 | 0.063 | mg/L | | | 11/11/22 18:11 | 1 |
| **Nitrate Nitrite as N** | **8.8** | | 1.0 | 0.63 | mg/L | | | 11/04/22 22:06 | 10 |
| **Nitrate Nitrite as N** | **8.1** | **H** | 0.10 | 0.063 | mg/L | | | 11/11/22 18:11 | 1 |
| Nitrite as N | 0.83 | U | 1.0 | 0.83 | mg/L | | | 11/04/22 22:06 | 10 |
| **Nitrite as N** | **0.13** | **H** | 0.10 | 0.083 | mg/L | | | 11/11/22 18:11 | 1 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-14

**Date Collected: 11/03/22 11:42**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-8

**Matrix: Water**

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethane** | **0.0020** | | 0.0010 | 0.00050 | mg/L | | | 11/15/22 20:23 | 1 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 20:23 | 1 |
| **1,2-Dichlorobenzene** | **0.00053** | **J** | 0.0010 | 0.00050 | mg/L | | | 11/15/22 20:23 | 1 |
| cis-1,2-Dichloroethene | 0.00020 | U | 0.0010 | 0.00020 | mg/L | | | 11/15/22 20:23 | 1 |
| Tetrachloroethene | 0.00090 | U | 0.0010 | 0.00090 | mg/L | | | 11/15/22 20:23 | 1 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 20:23 | 1 |
| **Trichloroethene** | **0.00027** | **J** | 0.0010 | 0.00015 | mg/L | | | 11/15/22 20:23 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *102* | | *72 - 119* | | *11/15/22 20:23* | *1* |
| *Dibromofluoromethane* | *99* | | *75 - 126* | | *11/15/22 20:23* | *1* |
| *Toluene-d8 (Surr)* | *100* | | *64 - 132* | | *11/15/22 20:23* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **6.0** | | 0.50 | 0.32 | mg/L | | | 11/05/22 01:14 | 5 |
| **Nitrate Nitrite as N** | **6.0** | | 0.50 | 0.32 | mg/L | | | 11/05/22 01:14 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/05/22 01:14 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-15

**Date Collected: 11/03/22 08:30**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-9

**Matrix: Water**

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethane** | **0.0016** | | 0.0010 | 0.00050 | mg/L | | | 11/15/22 20:50 | 1 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 20:50 | 1 |
| 1,2-Dichlorobenzene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 20:50 | 1 |
| cis-1,2-Dichloroethene | 0.00020 | U | 0.0010 | 0.00020 | mg/L | | | 11/15/22 20:50 | 1 |
| Tetrachloroethene | 0.00090 | U | 0.0010 | 0.00090 | mg/L | | | 11/15/22 20:50 | 1 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 20:50 | 1 |
| Trichloroethene | 0.00015 | U | 0.0010 | 0.00015 | mg/L | | | 11/15/22 20:50 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *101* | | *72 - 119* | | *11/15/22 20:50* | *1* |
| *Dibromofluoromethane* | *100* | | *75 - 126* | | *11/15/22 20:50* | *1* |
| *Toluene-d8 (Surr)* | *102* | | *64 - 132* | | *11/15/22 20:50* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **13** | | 1.0 | 0.63 | mg/L | | | 11/05/22 01:35 | 10 |
| **Nitrate Nitrite as N** | **13** | | 1.0 | 0.63 | mg/L | | | 11/05/22 01:35 | 10 |
| Nitrite as N | 0.83 | U | 1.0 | 0.83 | mg/L | | | 11/05/22 01:35 | 10 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-28

**Date Collected: 11/03/22 09:46**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-10

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **24** | **E** | 0.20 | 0.13 | mg/L | | | 11/05/22 01:55 | 2 |
| **Nitrate as N** | **27** | **H** | 0.40 | 0.25 | mg/L | | | 11/07/22 17:41 | 4 |
| **Nitrate Nitrite as N** | **24** | **E** | 0.20 | 0.13 | mg/L | | | 11/05/22 01:55 | 2 |
| **Nitrate Nitrite as N** | **27** | **H** | 0.40 | 0.25 | mg/L | | | 11/07/22 17:41 | 4 |
| Nitrite as N | 0.17 | U | 0.20 | 0.17 | mg/L | | | 11/05/22 01:55 | 2 |
| Nitrite as N | 0.33 | U H | 0.40 | 0.33 | mg/L | | | 11/07/22 17:41 | 4 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-29

**Date Collected: 11/03/22 09:27**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-11

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 78 | E | 0.50 | 0.32 | mg/L | | | 11/05/22 02:16 | 5 |
| Nitrate as N | 90 | H | 1.0 | 0.63 | mg/L | | | 11/07/22 18:50 | 10 |
| Nitrate Nitrite as N | 79 | E | 0.50 | 0.32 | mg/L | | | 11/05/22 02:16 | 5 |
| Nitrate Nitrite as N | 91 | H | 1.0 | 0.63 | mg/L | | | 11/07/22 18:50 | 10 |
| Nitrite as N | 0.74 | | 0.50 | 0.42 | mg/L | | | 11/05/22 02:16 | 5 |
| Nitrite as N | 1.1 | H | 1.0 | 0.83 | mg/L | | | 11/07/22 18:50 | 10 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-30

**Date Collected: 11/03/22 09:42**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-12

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 14 | | 0.50 | 0.32 | mg/L | | | 11/05/22 02:37 | 5 |
| Nitrate Nitrite as N | 14 | | 0.50 | 0.32 | mg/L | | | 11/05/22 02:37 | 5 |
| Nitrite as N | 0.42 | J | 0.50 | 0.42 | mg/L | | | 11/05/22 02:37 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-71

**Date Collected: 11/03/22 08:12**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-13

**Matrix: Water**

### Method: SW846 8260B - Volatile Organic Compounds (GC/MS)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **1,1-Dichloroethane** | **0.00065** | **J** | 0.0010 | 0.00050 | mg/L | | | 11/15/22 21:16 | 1 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 21:16 | 1 |
| 1,2-Dichlorobenzene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 21:16 | 1 |
| cis-1,2-Dichloroethene | 0.00020 | U | 0.0010 | 0.00020 | mg/L | | | 11/15/22 21:16 | 1 |
| **Tetrachloroethene** | **0.0014** | | 0.0010 | 0.00090 | mg/L | | | 11/15/22 21:16 | 1 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 21:16 | 1 |
| **Trichloroethene** | **0.00044** | **J** | 0.0010 | 0.00015 | mg/L | | | 11/15/22 21:16 | 1 |

| *Surrogate* | *%Recovery* | *Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *101* | | *72 - 119* | | *11/15/22 21:16* | *1* |
| *Dibromofluoromethane* | *101* | | *75 - 126* | | *11/15/22 21:16* | *1* |
| *Toluene-d8 (Surr)* | *103* | | *64 - 132* | | *11/15/22 21:16* | *1* |

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **16** | | 1.0 | 0.63 | mg/L | | | 11/05/22 02:58 | 10 |
| **Nitrate Nitrite as N** | **16** | | 1.0 | 0.63 | mg/L | | | 11/05/22 02:58 | 10 |
| Nitrite as N | 0.83 | U | 1.0 | 0.83 | mg/L | | | 11/05/22 02:58 | 10 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-72

**Date Collected: 11/03/22 10:26**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-14

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **9.3** | | 0.50 | 0.32 | mg/L | | | 11/05/22 03:39 | 5 |
| **Nitrate Nitrite as N** | **9.3** | | 0.50 | 0.32 | mg/L | | | 11/05/22 03:39 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/05/22 03:39 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-73

**Date Collected: 11/03/22 09:37**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-15

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **24** | **E** | 0.20 | 0.13 | mg/L | | | 11/05/22 04:00 | 2 |
| **Nitrate as N** | **27** | **H** | 0.40 | 0.25 | mg/L | | | 11/07/22 19:13 | 4 |
| **Nitrate Nitrite as N** | **24** | **E** | 0.20 | 0.13 | mg/L | | | 11/05/22 04:00 | 2 |
| **Nitrate Nitrite as N** | **27** | **H** | 0.40 | 0.25 | mg/L | | | 11/07/22 19:13 | 4 |
| Nitrite as N | 0.17 | U | 0.20 | 0.17 | mg/L | | | 11/05/22 04:00 | 2 |
| Nitrite as N | 0.33 | U H | 0.40 | 0.33 | mg/L | | | 11/07/22 19:13 | 4 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-74

**Date Collected: 11/03/22 10:59**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-16

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **5.4** | | 0.50 | 0.32 | mg/L | | | 11/05/22 04:21 | 5 |
| **Nitrate Nitrite as N** | **5.4** | | 0.50 | 0.32 | mg/L | | | 11/05/22 04:21 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/05/22 04:21 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-75

**Date Collected: 11/03/22 09:21**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-17

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **61** | | 1.0 | 0.63 | mg/L | | | 11/05/22 05:24 | 10 |
| **Nitrate Nitrite as N** | **61** | | 1.0 | 0.63 | mg/L | | | 11/05/22 05:24 | 10 |
| Nitrite as N | 0.83 | U | 1.0 | 0.83 | mg/L | | | 11/05/22 05:24 | 10 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-76

**Date Collected: 11/03/22 10:31**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-18

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **0.25** | | 0.10 | 0.063 | mg/L | | | 11/05/22 05:44 | 1 |
| **Nitrate Nitrite as N** | **0.25** | | 0.10 | 0.063 | mg/L | | | 11/05/22 05:44 | 1 |
| Nitrite as N | 0.083 | U | 0.10 | 0.083 | mg/L | | | 11/05/22 05:44 | 1 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-77

**Date Collected: 11/03/22 10:46**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-19

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **56** | | 0.50 | 0.32 | mg/L | | | 11/05/22 06:05 | 5 |
| **Nitrate Nitrite as N** | **56** | | 0.50 | 0.32 | mg/L | | | 11/05/22 06:05 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/05/22 06:05 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-78

**Date Collected: 11/03/22 10:16**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-20

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **12** | | 0.20 | 0.13 | mg/L | | | 11/04/22 21:26 | 2 |
| **Nitrate Nitrite as N** | **12** | | 0.20 | 0.13 | mg/L | | | 11/04/22 21:26 | 2 |
| Nitrite as N | 0.17 | U | 0.20 | 0.17 | mg/L | | | 11/04/22 21:26 | 2 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-79

**Date Collected: 11/03/22 10:02**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-21

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **0.36** | **J** | 0.50 | 0.32 | mg/L | | | 11/05/22 06:26 | 5 |
| **Nitrate Nitrite as N** | **0.36** | **J** | 0.50 | 0.32 | mg/L | | | 11/05/22 06:26 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/05/22 06:26 | 5 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-80

**Date Collected: 11/03/22 09:10**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-22

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **88** | | 1.0 | 0.63 | mg/L | | | 11/05/22 06:47 | 10 |
| **Nitrate Nitrite as N** | **88** | | 1.0 | 0.63 | mg/L | | | 11/05/22 06:47 | 10 |
| Nitrite as N | 0.83 | U | 1.0 | 0.83 | mg/L | | | 11/05/22 06:47 | 10 |

# Client Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-81

**Date Collected: 11/03/22 11:07**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-23

**Matrix: Water**

### Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---|---|---|---|---|---|---|---|---|
| **Nitrate as N** | **42** | | 0.50 | 0.32 | mg/L | | | 11/05/22 07:08 | 5 |
| **Nitrate Nitrite as N** | **42** | | 0.50 | 0.32 | mg/L | | | 11/05/22 07:08 | 5 |
| Nitrite as N | 0.42 | U | 0.50 | 0.42 | mg/L | | | 11/05/22 07:08 | 5 |

# Definitions/Glossary

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

Job ID: 400-228380-1
SDG: Blanco SFP

## 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 |
|---|---|
| E | Result exceeded calibration range. |
| H | Sample was prepped or analyzed beyond the specified holding time |
| 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. |

## 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: 400-228380-1
SDG: Blanco SFP

## 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) |
| 400-228380-2 | TB-01 | 102 | 101 | 101 |
| 400-228380-3 | DUP-01 | 103 | 98 | 100 |
| 400-228380-6 | MW-12 | 102 | 99 | 102 |
| 400-228380-7 | MW-13 | 103 | 99 | 101 |
| 400-228380-7 MS | MW-13 | 106 | 92 | 99 |
| 400-228380-7 MSD | MW-13 | 107 | 93 | 100 |
| 400-228380-8 | MW-14 | 102 | 99 | 100 |
| 400-228380-9 | MW-15 | 101 | 100 | 102 |
| 400-228380-13 | MW-71 | 101 | 101 | 103 |
| LCS 400-600823/1002 | Lab Control Sample | 108 | 94 | 98 |
| MB 400-600823/4 | Method Blank | 102 | 100 | 101 |

**Surrogate Legend**

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

# Lab Chronicle

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: TB-01
**Date Collected: 11/03/22 07:00**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-2
**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 | 600823 | 11/15/22 17:21 | WPD | EET PEN |

## Client Sample ID: DUP-01
**Date Collected: 11/03/22 12:00**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-3
**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 | 8260B | | 1 | 5 mL | 5 mL | 600823 | 11/15/22 19:31 | WPD | EET PEN |
| Total/NA | Analysis | 300.0 | | 5 | 10 mL | 10 mL | 599322 | 11/04/22 23:09 | JAS | EET PEN |
| Total/NA | Analysis | 300.0 | | 5 | 10 mL | 10 mL | 599593 | 11/07/22 16:33 | JAS | EET PEN |

## Client Sample ID: DUP-02
**Date Collected: 11/03/22 12:00**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-4
**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 | | 2 | 10 mL | 10 mL | 599322 | 11/04/22 23:30 | JAS | EET PEN |
| Total/NA | Analysis | 300.0 | | 4 | 10 mL | 10 mL | 599593 | 11/07/22 17:19 | JAS | EET PEN |

## Client Sample ID: MW-8
**Date Collected: 11/03/22 11:14**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-5
**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 | 300.0 | | 5 | 10 mL | 10 mL | 599322 | 11/04/22 23:51 | JAS | EET PEN |

## Client Sample ID: MW-12
**Date Collected: 11/03/22 09:00**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-6
**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 | 600823 | 11/15/22 19:57 | WPD | EET PEN |
| Total/NA | Analysis | 300.0 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 00:11 | JAS | EET PEN |
| Total/NA | Analysis | 300.0 | | 5 | 10 mL | 10 mL | 599593 | 11/07/22 16:56 | JAS | EET PEN |

## Client Sample ID: MW-13
**Date Collected: 11/03/22 08:45**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-7
**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 | 600823 | 11/15/22 17:47 | WPD | EET PEN |
| Total/NA | Analysis | 300.0 | | 10 | 10 mL | 10 mL | 599322 | 11/04/22 22:06 | JAS | EET PEN |
| Total/NA | Analysis | 300.0 | | 1 | 10 mL | 10 mL | 600299 | 11/11/22 18:11 | JAS | EET PEN |

# Lab Chronicle

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-14
**Date Collected: 11/03/22 11:42**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-8
**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 | 600823 | 11/15/22 20:23 | WPD | EET PEN |
| Total/NA | Analysis | 300.0 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 01:14 | JAS | EET PEN |

## Client Sample ID: MW-15
**Date Collected: 11/03/22 08:30**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-9
**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 | 600823 | 11/15/22 20:50 | WPD | EET PEN |
| Total/NA | Analysis | 300.0 | | 10 | 10 mL | 10 mL | 599322 | 11/05/22 01:35 | JAS | EET PEN |

## Client Sample ID: MW-28
**Date Collected: 11/03/22 09:46**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-10
**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 | | 2 | 10 mL | 10 mL | 599322 | 11/05/22 01:55 | JAS | EET PEN |
| Total/NA | Analysis | 300.0 | | 4 | 10 mL | 10 mL | 599593 | 11/07/22 17:41 | JAS | EET PEN |

## Client Sample ID: MW-29
**Date Collected: 11/03/22 09:27**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-11
**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 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 02:16 | JAS | EET PEN |
| Total/NA | Analysis | 300.0 | | 10 | 10 mL | 10 mL | 599593 | 11/07/22 18:50 | JAS | EET PEN |

## Client Sample ID: MW-30
**Date Collected: 11/03/22 09:42**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-12
**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 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 02:37 | JAS | EET PEN |

## Client Sample ID: MW-71
**Date Collected: 11/03/22 08:12**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-13
**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 | 600823 | 11/15/22 21:16 | WPD | EET PEN |
| Total/NA | Analysis | 300.0 | | 10 | 10 mL | 10 mL | 599322 | 11/05/22 02:58 | JAS | EET PEN |

# Lab Chronicle

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-72
**Date Collected: 11/03/22 10:26**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-14
**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 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 03:39 | JAS | EET PEN |

## Client Sample ID: MW-73
**Date Collected: 11/03/22 09:37**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-15
**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 | | 2 | 10 mL | 10 mL | 599322 | 11/05/22 04:00 | JAS | EET PEN |
| Total/NA | Analysis | 300.0 | | 4 | 10 mL | 10 mL | 599593 | 11/07/22 19:13 | JAS | EET PEN |

## Client Sample ID: MW-74
**Date Collected: 11/03/22 10:59**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-16
**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 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 04:21 | JAS | EET PEN |

## Client Sample ID: MW-75
**Date Collected: 11/03/22 09:21**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-17
**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 | | 10 | 10 mL | 10 mL | 599322 | 11/05/22 05:24 | JAS | EET PEN |

## Client Sample ID: MW-76
**Date Collected: 11/03/22 10:31**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-18
**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 | 10 mL | 10 mL | 599322 | 11/05/22 05:44 | JAS | EET PEN |

## Client Sample ID: MW-77
**Date Collected: 11/03/22 10:46**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-19
**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 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 06:05 | JAS | EET PEN |

## Client Sample ID: MW-78
**Date Collected: 11/03/22 10:16**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-20
**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 | | 2 | 10 mL | 10 mL | 599326 | 11/04/22 21:26 | JAS | EET PEN |

# Lab Chronicle

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-79
**Date Collected: 11/03/22 10:02**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-21
**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 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 06:26 | JAS | EET PEN |

## Client Sample ID: MW-80
**Date Collected: 11/03/22 09:10**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-22
**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 | | 10 | 10 mL | 10 mL | 599322 | 11/05/22 06:47 | JAS | EET PEN |

## Client Sample ID: MW-81
**Date Collected: 11/03/22 11:07**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-23
**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 | | 5 | 10 mL | 10 mL | 599322 | 11/05/22 07:08 | JAS | EET PEN |

## Client Sample ID: Method Blank
**Date Collected: N/A**
**Date Received: N/A**

## Lab Sample ID: MB 400-599322/25
**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 | 10 mL | 10 mL | 599322 | 11/04/22 21:04 | JAS | EET PEN |

## Client Sample ID: Method Blank
**Date Collected: N/A**
**Date Received: N/A**

## Lab Sample ID: MB 400-599326/5
**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 | 300.0 | | 1 | 10 mL | 10 mL | 599326 | 11/04/22 14:58 | JAS | EET PEN |

## Client Sample ID: Method Blank
**Date Collected: N/A**
**Date Received: N/A**

## Lab Sample ID: MB 400-599593/5
**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 | 300.0 | | 1 | 10 mL | 10 mL | 599593 | 11/07/22 14:16 | JAS | EET PEN |

## Client Sample ID: Method Blank
**Date Collected: N/A**
**Date Received: N/A**

## Lab Sample ID: MB 400-600299/5
**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 | 300.0 | | 1 | 10 mL | 10 mL | 600299 | 11/11/22 12:38 | JAS | EET PEN |

# Lab Chronicle

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: Method Blank
**Lab Sample ID: MB 400-600823/4**
**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 | 8260B | | 1 | 5 mL | 5 mL | 600823 | 11/15/22 16:57 | WPD | EET PEN |

## Client Sample ID: Lab Control Sample
**Lab Sample ID: LCS 400-599322/26**
**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 | 10 mL | 10 mL | 599322 | 11/04/22 21:25 | JAS | EET PEN |

## Client Sample ID: Lab Control Sample
**Lab Sample ID: LCS 400-599326/6**
**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 | 10 mL | 10 mL | 599326 | 11/04/22 15:21 | JAS | EET PEN |

## Client Sample ID: Lab Control Sample
**Lab Sample ID: LCS 400-599593/6**
**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 | 10 mL | 10 mL | 599593 | 11/07/22 14:39 | JAS | EET PEN |

## Client Sample ID: Lab Control Sample
**Lab Sample ID: LCS 400-600299/6**
**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 | 10 mL | 10 mL | 600299 | 11/11/22 12:58 | JAS | EET PEN |

## Client Sample ID: Lab Control Sample
**Lab Sample ID: LCS 400-600823/1002**
**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 | 600823 | 11/15/22 16:06 | WPD | EET PEN |

## Client Sample ID: Lab Control Sample Dup
**Lab Sample ID: LCSD 400-599322/27**
**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 | 10 mL | 10 mL | 599322 | 11/04/22 21:46 | JAS | EET PEN |

# Lab Chronicle

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: Lab Control Sample Dup
**Date Collected: N/A**
**Date Received: N/A**

## Lab Sample ID: LCSD 400-599326/7
**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 | 300.0 | | 1 | 10 mL | 10 mL | 599326 | 11/04/22 15:44 | JAS | EET PEN |

## Client Sample ID: Lab Control Sample Dup
**Date Collected: N/A**
**Date Received: N/A**

## Lab Sample ID: LCSD 400-599593/7
**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 | 300.0 | | 1 | 10 mL | 10 mL | 599593 | 11/07/22 15:02 | JAS | EET PEN |

## Client Sample ID: Lab Control Sample Dup
**Date Collected: N/A**
**Date Received: N/A**

## Lab Sample ID: LCSD 400-600299/7
**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 | 300.0 | | 1 | 10 mL | 10 mL | 600299 | 11/11/22 13:19 | JAS | EET PEN |

## Client Sample ID: MW-13
**Date Collected: 11/03/22 08:45**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-7 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 | 8260B | | 1 | 5 mL | 5 mL | 600823 | 11/15/22 18:13 | WPD | EET PEN |
| Total/NA | Analysis | 300.0 | | 10 | 10 mL | 10 mL | 599322 | 11/04/22 22:27 | JAS | EET PEN |

## Client Sample ID: MW-13
**Date Collected: 11/03/22 08:45**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-7 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 | 8260B | | 1 | 5 mL | 5 mL | 600823 | 11/15/22 18:39 | WPD | EET PEN |
| Total/NA | Analysis | 300.0 | | 10 | 10 mL | 10 mL | 599322 | 11/04/22 22:48 | JAS | EET PEN |

## Client Sample ID: MW-71
**Date Collected: 11/03/22 08:12**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-13 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 | | 10 | 10 mL | 10 mL | 599322 | 11/05/22 03:19 | JAS | EET PEN |

## Client Sample ID: MW-78
**Date Collected: 11/03/22 10:16**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-20 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 | | 2 | 10 mL | 10 mL | 599326 | 11/04/22 21:48 | JAS | EET PEN |

# Lab Chronicle

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Client Sample ID: MW-78

**Date Collected: 11/03/22 10:16**
**Date Received: 11/04/22 08:59**

## Lab Sample ID: 400-228380-20 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 | | 2 | 10 mL | 10 mL | 599326 | 11/04/22 22:11 | JAS | EET PEN |

**Laboratory References:**

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

# QC Association Summary

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

Job ID: 400-228380-1
SDG: Blanco SFP

## GC/MS VOA

### Analysis Batch: 600823

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 400-228380-2 | TB-01 | Total/NA | Water | 8260B | |
| 400-228380-3 | DUP-01 | Total/NA | Water | 8260B | |
| 400-228380-6 | MW-12 | Total/NA | Water | 8260B | |
| 400-228380-7 | MW-13 | Total/NA | Water | 8260B | |
| 400-228380-8 | MW-14 | Total/NA | Water | 8260B | |
| 400-228380-9 | MW-15 | Total/NA | Water | 8260B | |
| 400-228380-13 | MW-71 | Total/NA | Water | 8260B | |
| MB 400-600823/4 | Method Blank | Total/NA | Water | 8260B | |
| LCS 400-600823/1002 | Lab Control Sample | Total/NA | Water | 8260B | |
| 400-228380-7 MS | MW-13 | Total/NA | Water | 8260B | |
| 400-228380-7 MSD | MW-13 | Total/NA | Water | 8260B | |

## HPLC/IC

### Analysis Batch: 599322

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 400-228380-3 | DUP-01 | Total/NA | Water | 300.0 | |
| 400-228380-4 | DUP-02 | Total/NA | Water | 300.0 | |
| 400-228380-5 | MW-8 | Total/NA | Water | 300.0 | |
| 400-228380-6 | MW-12 | Total/NA | Water | 300.0 | |
| 400-228380-7 | MW-13 | Total/NA | Water | 300.0 | |
| 400-228380-8 | MW-14 | Total/NA | Water | 300.0 | |
| 400-228380-9 | MW-15 | Total/NA | Water | 300.0 | |
| 400-228380-10 | MW-28 | Total/NA | Water | 300.0 | |
| 400-228380-11 | MW-29 | Total/NA | Water | 300.0 | |
| 400-228380-12 | MW-30 | Total/NA | Water | 300.0 | |
| 400-228380-13 | MW-71 | Total/NA | Water | 300.0 | |
| 400-228380-14 | MW-72 | Total/NA | Water | 300.0 | |
| 400-228380-15 | MW-73 | Total/NA | Water | 300.0 | |
| 400-228380-16 | MW-74 | Total/NA | Water | 300.0 | |
| 400-228380-17 | MW-75 | Total/NA | Water | 300.0 | |
| 400-228380-18 | MW-76 | Total/NA | Water | 300.0 | |
| 400-228380-19 | MW-77 | Total/NA | Water | 300.0 | |
| 400-228380-21 | MW-79 | Total/NA | Water | 300.0 | |
| 400-228380-22 | MW-80 | Total/NA | Water | 300.0 | |
| 400-228380-23 | MW-81 | Total/NA | Water | 300.0 | |
| MB 400-599322/25 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 400-599322/26 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCSD 400-599322/27 | Lab Control Sample Dup | Total/NA | Water | 300.0 | |
| 400-228380-7 MS | MW-13 | Total/NA | Water | 300.0 | |
| 400-228380-7 MSD | MW-13 | Total/NA | Water | 300.0 | |
| 400-228380-13 MS | MW-71 | Total/NA | Water | 300.0 | |

### Analysis Batch: 599326

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 400-228380-20 | MW-78 | Total/NA | Water | 300.0 | |
| MB 400-599326/5 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 400-599326/6 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCSD 400-599326/7 | Lab Control Sample Dup | Total/NA | Water | 300.0 | |
| 400-228380-20 MS | MW-78 | Total/NA | Water | 300.0 | |
| 400-228380-20 MSD | MW-78 | Total/NA | Water | 300.0 | |

# QC Association Summary

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

Job ID: 400-228380-1
SDG: Blanco SFP

## HPLC/IC

### Analysis Batch: 599593

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 400-228380-3 | DUP-01 | Total/NA | Water | 300.0 | |
| 400-228380-4 | DUP-02 | Total/NA | Water | 300.0 | |
| 400-228380-6 | MW-12 | Total/NA | Water | 300.0 | |
| 400-228380-10 | MW-28 | Total/NA | Water | 300.0 | |
| 400-228380-11 | MW-29 | Total/NA | Water | 300.0 | |
| 400-228380-15 | MW-73 | Total/NA | Water | 300.0 | |
| MB 400-599593/5 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 400-599593/6 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCSD 400-599593/7 | Lab Control Sample Dup | Total/NA | Water | 300.0 | |

### Analysis Batch: 600299

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---|---|---|---|---|---|
| 400-228380-7 | MW-13 | Total/NA | Water | 300.0 | |
| MB 400-600299/5 | Method Blank | Total/NA | Water | 300.0 | |
| LCS 400-600299/6 | Lab Control Sample | Total/NA | Water | 300.0 | |
| LCSD 400-600299/7 | Lab Control Sample Dup | Total/NA | Water | 300.0 | |

# QC Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

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

### Lab Sample ID: MB 400-600823/4
### Matrix: Water
### Analysis Batch: 600823

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 | | | 11/15/22 16:57 | 1 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 16:57 | 1 |
| 1,2-Dichlorobenzene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 16:57 | 1 |
| cis-1,2-Dichloroethene | 0.00020 | U | 0.0010 | 0.00020 | mg/L | | | 11/15/22 16:57 | 1 |
| Tetrachloroethene | 0.00090 | U | 0.0010 | 0.00090 | mg/L | | | 11/15/22 16:57 | 1 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0010 | 0.00050 | mg/L | | | 11/15/22 16:57 | 1 |
| Trichloroethene | 0.00015 | U | 0.0010 | 0.00015 | mg/L | | | 11/15/22 16:57 | 1 |

| *Surrogate* | *MB %Recovery* | *MB Qualifier* | *Limits* | *Prepared* | *Analyzed* | *Dil Fac* |
|---|---|---|---|---|---|---|
| *4-Bromofluorobenzene* | *102* | | *72 - 119* | | *11/15/22 16:57* | *1* |
| *Dibromofluoromethane* | *100* | | *75 - 126* | | *11/15/22 16:57* | *1* |
| *Toluene-d8 (Surr)* | *101* | | *64 - 132* | | *11/15/22 16:57* | *1* |

### Lab Sample ID: LCS 400-600823/1002
### Matrix: Water
### Analysis Batch: 600823

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 | 0.0490 | | mg/L | | 98 | 70 - 130 |
| 1,1-Dichloroethene | 0.0500 | 0.0446 | | mg/L | | 89 | 63 - 134 |
| 1,2-Dichlorobenzene | 0.0500 | 0.0550 | | mg/L | | 110 | 67 - 130 |
| cis-1,2-Dichloroethene | 0.0500 | 0.0480 | | mg/L | | 96 | 68 - 130 |
| Tetrachloroethene | 0.0500 | 0.0507 | | mg/L | | 101 | 65 - 130 |
| trans-1,2-Dichloroethene | 0.0500 | 0.0485 | | mg/L | | 97 | 70 - 130 |
| Trichloroethene | 0.0500 | 0.0486 | | mg/L | | 97 | 70 - 130 |

| *Surrogate* | *LCS %Recovery* | *LCS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *108* | | *72 - 119* |
| *Dibromofluoromethane* | *94* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *98* | | *64 - 132* |

### Lab Sample ID: 400-228380-7 MS
### Matrix: Water
### Analysis Batch: 600823

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 | 0.0048 | | 0.0500 | 0.0475 | | mg/L | | 85 | 61 - 144 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0500 | 0.0386 | | mg/L | | 77 | 54 - 147 |
| 1,2-Dichlorobenzene | 0.0024 | | 0.0500 | 0.0434 | | mg/L | | 82 | 52 - 137 |
| cis-1,2-Dichloroethene | 0.00084 | J | 0.0500 | 0.0427 | | mg/L | | 84 | 59 - 143 |
| Tetrachloroethene | 0.00090 | U | 0.0500 | 0.0403 | | mg/L | | 81 | 52 - 133 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0500 | 0.0412 | | mg/L | | 82 | 61 - 143 |
| Trichloroethene | 0.0014 | | 0.0500 | 0.0420 | | mg/L | | 81 | 64 - 136 |

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *106* | | *72 - 119* |
| *Dibromofluoromethane* | *92* | | *75 - 126* |

# QC Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

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

**Lab Sample ID: 400-228380-7 MS**
**Matrix: Water**
**Analysis Batch: 600823**

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

| *Surrogate* | *MS %Recovery* | *MS Qualifier* | *Limits* |
|---|---|---|---|
| *Toluene-d8 (Surr)* | *99* | | *64 - 132* |

**Lab Sample ID: 400-228380-7 MSD**
**Matrix: Water**
**Analysis Batch: 600823**

**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 | 0.0048 | | 0.0500 | 0.0515 | | mg/L | | 93 | 61 - 144 | 8 | 30 |
| 1,1-Dichloroethene | 0.00050 | U | 0.0500 | 0.0418 | | mg/L | | 84 | 54 - 147 | 8 | 30 |
| 1,2-Dichlorobenzene | 0.0024 | | 0.0500 | 0.0456 | | mg/L | | 87 | 52 - 137 | 5 | 30 |
| cis-1,2-Dichloroethene | 0.00084 | J | 0.0500 | 0.0461 | | mg/L | | 91 | 59 - 143 | 8 | 30 |
| Tetrachloroethene | 0.00090 | U | 0.0500 | 0.0446 | | mg/L | | 89 | 52 - 133 | 10 | 30 |
| trans-1,2-Dichloroethene | 0.00050 | U | 0.0500 | 0.0448 | | mg/L | | 90 | 61 - 143 | 8 | 30 |
| Trichloroethene | 0.0014 | | 0.0500 | 0.0459 | | mg/L | | 89 | 64 - 136 | 9 | 30 |

| *Surrogate* | *MSD %Recovery* | *MSD Qualifier* | *Limits* |
|---|---|---|---|
| *4-Bromofluorobenzene* | *107* | | *72 - 119* |
| *Dibromofluoromethane* | *93* | | *75 - 126* |
| *Toluene-d8 (Surr)* | *100* | | *64 - 132* |

## Method: 300.0 - Anions, Ion Chromatography

**Lab Sample ID: MB 400-599322/25**
**Matrix: Water**
**Analysis Batch: 599322**

**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 | | | 11/04/22 21:04 | 1 |
| Nitrate Nitrite as N | 0.063 | U | 0.10 | 0.063 | mg/L | | | 11/04/22 21:04 | 1 |
| Nitrite as N | 0.083 | U | 0.10 | 0.083 | mg/L | | | 11/04/22 21:04 | 1 |

**Lab Sample ID: LCS 400-599322/26**
**Matrix: Water**
**Analysis Batch: 599322**

**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 | 2.34 | | mg/L | | 103 | 90 - 110 | | |
| Nitrate Nitrite as N | | | 5.30 | 5.48 | | mg/L | | 103 | 90 - 110 | | |
| Nitrite as N | | | 3.04 | 3.14 | | mg/L | | 103 | 90 - 110 | | |

**Lab Sample ID: LCSD 400-599322/27**
**Matrix: Water**
**Analysis Batch: 599322**

**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 | 2.34 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Nitrate Nitrite as N | | | 5.30 | 5.48 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Nitrite as N | | | 3.04 | 3.14 | | mg/L | | 103 | 90 - 110 | 0 | 15 |

# QC Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 400-228380-7 MS** — **Client Sample ID: MW-13**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 599322**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 8.8 | | 22.6 | 33.1 | | mg/L | | 107 | 80 - 120 |
| Nitrate Nitrite as N | 8.8 | | 53.0 | 65.5 | | mg/L | | 107 | 80 - 120 |
| Nitrite as N | 0.83 | U | 30.4 | 32.4 | | mg/L | | 107 | 80 - 120 |

**Lab Sample ID: 400-228380-7 MSD** — **Client Sample ID: MW-13**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 599322**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 8.8 | | 22.6 | 33.2 | | mg/L | | 108 | 80 - 120 | 0 | 20 |
| Nitrate Nitrite as N | 8.8 | | 53.0 | 65.8 | | mg/L | | 108 | 80 - 120 | 0 | 20 |
| Nitrite as N | 0.83 | U | 30.4 | 32.6 | | mg/L | | 107 | 80 - 120 | 0 | 20 |

**Lab Sample ID: 400-228380-13 MS** — **Client Sample ID: MW-71**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 599322**

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 16 | | 22.6 | 40.0 | | mg/L | | 106 | 80 - 120 |
| Nitrate Nitrite as N | 16 | | 53.0 | 72.3 | | mg/L | | 106 | 80 - 120 |
| Nitrite as N | 0.83 | U | 30.4 | 32.3 | | mg/L | | 106 | 80 - 120 |

**Lab Sample ID: MB 400-599326/5** — **Client Sample ID: Method Blank**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 599326**

| 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 | | | 11/04/22 14:58 | 1 |
| Nitrate Nitrite as N | 0.063 | U | 0.10 | 0.063 | mg/L | | | 11/04/22 14:58 | 1 |
| Nitrite as N | 0.083 | U | 0.10 | 0.083 | mg/L | | | 11/04/22 14:58 | 1 |

**Lab Sample ID: LCS 400-599326/6** — **Client Sample ID: Lab Control Sample**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 599326**

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---|---|---|---|---|---|---|---|
| Nitrate as N | 2.26 | 2.32 | | mg/L | | 103 | 90 - 110 |
| Nitrate Nitrite as N | 5.30 | 5.46 | | mg/L | | 103 | 90 - 110 |
| Nitrite as N | 3.04 | 3.14 | | mg/L | | 103 | 90 - 110 |

**Lab Sample ID: LCSD 400-599326/7** — **Client Sample ID: Lab Control Sample Dup**
**Matrix: Water** — **Prep Type: Total/NA**
**Analysis Batch: 599326**

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|---|
| Nitrate as N | 2.26 | 2.32 | | mg/L | | 102 | 90 - 110 | 0 | 15 |
| Nitrate Nitrite as N | 5.30 | 5.45 | | mg/L | | 103 | 90 - 110 | 0 | 15 |
| Nitrite as N | 3.04 | 3.13 | | mg/L | | 103 | 90 - 110 | 1 | 15 |

# QC Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: 400-228380-20 MS**
**Matrix: Water**
**Analysis Batch: 599326**

**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 | 12 | | 4.52 | 16.3 | | mg/L | | 87 | 80 - 120 |
| Nitrate Nitrite as N | 12 | | 10.6 | 23.0 | | mg/L | | 103 | 80 - 120 |
| Nitrite as N | 0.17 | U | 6.08 | 6.65 | | mg/L | | 109 | 80 - 120 |

**Lab Sample ID: 400-228380-20 MSD**
**Matrix: Water**
**Analysis Batch: 599326**

**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 | 12 | | 4.52 | 16.5 | | mg/L | | 92 | 80 - 120 | 1 | 20 |
| Nitrate Nitrite as N | 12 | | 10.6 | 23.4 | | mg/L | | 107 | 80 - 120 | 2 | 20 |
| Nitrite as N | 0.17 | U | 6.08 | 6.86 | | mg/L | | 113 | 80 - 120 | 3 | 20 |

**Lab Sample ID: MB 400-599593/5**
**Matrix: Water**
**Analysis Batch: 599593**

**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 | | | 11/07/22 14:16 | 1 |
| Nitrate Nitrite as N | 0.063 | U | 0.10 | 0.063 | mg/L | | | 11/07/22 14:16 | 1 |
| Nitrite as N | 0.083 | U | 0.10 | 0.083 | mg/L | | | 11/07/22 14:16 | 1 |

**Lab Sample ID: LCS 400-599593/6**
**Matrix: Water**
**Analysis Batch: 599593**

**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 | 2.23 | | mg/L | | 99 | 90 - 110 |
| Nitrate Nitrite as N | 5.30 | 5.37 | | mg/L | | 101 | 90 - 110 |
| Nitrite as N | 3.04 | 3.14 | | mg/L | | 103 | 90 - 110 |

**Lab Sample ID: LCSD 400-599593/7**
**Matrix: Water**
**Analysis Batch: 599593**

**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 | 2.29 | | mg/L | | 101 | 90 - 110 | 2 | 15 |
| Nitrate Nitrite as N | 5.30 | 5.42 | | mg/L | | 102 | 90 - 110 | 1 | 15 |
| Nitrite as N | 3.04 | 3.13 | | mg/L | | 103 | 90 - 110 | 0 | 15 |

**Lab Sample ID: MB 400-600299/5**
**Matrix: Water**
**Analysis Batch: 600299**

**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 | | | 11/11/22 12:38 | 1 |
| Nitrate Nitrite as N | 0.063 | U | 0.10 | 0.063 | mg/L | | | 11/11/22 12:38 | 1 |
| Nitrite as N | 0.083 | U | 0.10 | 0.083 | mg/L | | | 11/11/22 12:38 | 1 |

# QC Sample Results

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Method: 300.0 - Anions, Ion Chromatography (Continued)

**Lab Sample ID: LCS 400-600299/6**
**Matrix: Water**
**Analysis Batch: 600299**

**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 | 2.31 | | mg/L | | 102 | 90 - 110 |
| Nitrate Nitrite as N | 5.30 | 5.40 | | mg/L | | 102 | 90 - 110 |
| Nitrite as N | 3.04 | 3.09 | | mg/L | | 102 | 90 - 110 |

**Lab Sample ID: LCSD 400-600299/7**
**Matrix: Water**
**Analysis Batch: 600299**

**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 | 2.31 | | mg/L | | 102 | 90 - 110 | 0 | 15 |
| Nitrate Nitrite as N | 5.30 | 5.35 | | mg/L | | 101 | 90 - 110 | 1 | 15 |
| Nitrite as N | 3.04 | 3.04 | | mg/L | | 100 | 90 - 110 | 2 | 15 |

# Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-228380-1
SDG Number: Blanco SFP

**Login Number: 228380**
**List Number: 1**
**Creator: Perez, Trina M**

**List Source: Eurofins Pensacola**

| 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. | True | |
| 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 | 4.5°C IR-10, 2.4°C IR-9 |
| 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. | False | Refer to Job Narrative for details. |
| 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 | |

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

# Chain of Custody Record

eurofins

| Client Information | Sampler: SRL | Lab PM: Whitmire, Cheyenne R | Carrier Tracking No(s): | COC No: 400-114536-37684.1 |
|---|---|---|---|---|
| Client Contact: Steve Varsa | Phone: 913 980 0201 | E-Mail: Cheyenne.Whitmire@et.eurofinsus.com | State of Origin: NM | Page: Page 1 of 6 |
| 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 #: ERG-STN-10-07-22-SAH-17 | | | |
| Project Name: CMI Kinder Morgan Blanco South | Project #: 40012762 | | | |
| Site: Blanco SFP | SSOW#: | | | |

**Analysis Requested**

400-228380 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, Y - Trizma, Z - other (specify)
Other:

STN-02

| 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 | | |
| EXCESS H2O | 11/3/22 | — | — | Water | | | | | 1 | EXCESS H2O in L2 |
| TB-01 | 11/3/22 | 0700 | G | Water | | | 2 | | 2 | |
| DUP-01 | 11/3/22 | — | G | Water | | | 3 | 1 | 4 | |
| DUP-02 | 11/3/22 | — | G | Water | | | | 1 | 1 | |
| MW-8 | 11/3/22 | 1114 | G | Water | | | | 1 | 1 | |
| MW-12 | 11/3/22 | 0402 | G | Water | | | 3 | 1 | 4 | |
| MW-13 | 11/3/22 | 0845 | G | Water | | Y | 6 | 3 | 9 | MS,MSD |
| MW-14 | 11/3/22 | 1142 | G | Water | | | 3 | 1 | 4 | |
| MW-15 | 11/3/22 | 0830 | G | Water | | | 3 | 1 | 4 | |
| MW-28 | 11/3/22 | 0946 | G | Water | | | | 1 | 1 | |
| MW-29 | 11/3/22 | 0927 | G | Water | | | | 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 |
|---|---|---|---|---|---|
| | 11/3/22 1700 | SW | | 11/4/22 859 | EES |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

| Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 4.5 C 4.0 | 2.4°C IR9 |
|---|---|---|---|

Ver: 06/08/2021

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

# Chain of Custody Record

eurofins

| Client Information | Sampler: SRC | Lab PM: Whitmire, Cheyenne R | Carrier Tracking No(s): | COC No: 400-114536-37684.2 |
|---|---|---|---|---|
| Client Contact: Steve Varsa | Phone: 413 992 C291 | E-Mail: Cheyenne.Whitmire@et.eurofinsus.com | State of Origin: NM | Page: Page 2 of 6 |
| 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 #: ERG-STN-10-07-22-SAH-17 | | | |
| Project Name: CMI Kinder Morgan Blanco South | Project #: 40012762 | | | |
| Site: Blanco SFP | 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, Y - Trizma, 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: |
|---|---|---|---|---|---|---|---|---|---|---|
| STN 02 | | | Preservation Code: | | | | A | N | | |
| MW-29 | 11/3/22 | 0927 | G | Water | | | | 1 | 1 | |
| MW-30 | 11/3/22 | 0942 | G | Water | | | | 1 | 1 | |
| MW-71 | 11/3/22 | 0812 | G | Water | | | 3 | 1 | 1 | |
| MW-72 | 11/3/22 | 1026 | G | Water | | | | 1 | 1 | |
| MW-73 | 11/3/22 | 0937 | G | Water | | | | 1 | 1 | |
| MW-74 | 11/3/22 | 1059 | G | Water | | | | 1 | 1 | |
| MW-75 | 11/3/22 | 0921 | G | Water | | | | 1 | 1 | |
| MW-76 | 11/3/22 | 1031 | G | Water | | | | 1 | 1 | |
| MW-77 | 11/3/22 | 1046 | G | Water | | | | 1 | 1 | |
| MW-78 | 11/3/22 | 1016 | G | Water | | Y | | 3 | 3 | |
| MW-79 | 11/3/22 | 1002 | G | Water | | | | 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 |
|---|---|---|---|---|---|---|
| 1 | [signature] | 11/3/22 3:00 | STN | [signature] | 11/4/22 859 | EGS |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08 2021

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

# Chain of Custody Record

eurofins Environment Testing

| Client Information | Sampler: SRC | Lab PM: Whitmire, Cheyenne R | Carrier Tracking No(s): | COC No: 400-114536-37684.3 |
|---|---|---|---|---|
| Client Contact: Steve Varsa | Phone: 913 980 0281 | E-Mail: Cheyenne.Whitmire@et.eurofinsus.com | State of Origin: NM | Page: Page 3 of 6 |
| 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 #: ERG-STN-10-07-22-SAH-17 | | | |
| Project Name: CMI Kinder Morgan Blanco South | Project #: 40012762 | | | |
| Site: Blanco SRP | 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, Y - Trizma, 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: |
|---|---|---|---|---|---|---|---|---|---|---|
| STN-02 | | | Preservation Code: | | | | A | N | | |
| MW-8C | 11/3/22 | 0910 | G | Water | | | | 1 | 1 | |
| MW-81 | 11/3/22 | 1107 | G | Water | | | | 1 | 1 | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
| | | | | Water | | | | | | |
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| | | | | 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: | Company | Received by: | Date/Time: | Company |
|---|---|---|---|---|---|---|
| 1 | | 11/3/22 1300 | STN | | 11/4/22 859 | ECLS |
| 2 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |
| 3 | Relinquished by: | Date/Time: | Company | Received by: | Date/Time: | Company |

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

# Accreditation/Certification Summary

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

Job ID: 400-228380-1
SDG: Blanco SFP

## Laboratory: Eurofins 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 | 06-30-23 |
| ANAB | ISO/IEC 17025 | L2471 | 02-23-23 |
| Arkansas DEQ | State | 88-0689 | 09-01-23 |
| California | State | 2510 | 06-30-23 |
| Florida | NELAP | E81010 | 06-30-23 |
| Georgia | State | E81010(FL) | 06-30-23 |
| Illinois | NELAP | 200041 | 10-09-23 |
| Kansas | NELAP | E-10253 | 10-31-23 |
| Kentucky (UST) | State | 53 | 06-30-23 |
| Kentucky (WW) | State | KY98030 | 12-31-22 |
| Louisiana (All) | NELAP | 30976 | 06-30-23 |
| Louisiana (DW) | State | LA017 | 12-31-22 |
| Maryland | State | 233 | 09-30-23 |
| Michigan | State | 9912 | 06-30-23 |
| North Carolina (WW/SW) | State | 314 | 12-31-22 |
| Oklahoma | NELAP | 9810 | 08-31-23 |
| Pennsylvania | NELAP | 68-00467 | 01-31-23 |
| South Carolina | State | 96026 | 06-30-23 |
| Tennessee | State | TN02907 | 06-30-23 |
| Texas | NELAP | T104704286 | 09-30-23 |
| US Fish & Wildlife | US Federal Programs | A22340 | 06-30-23 |
| USDA | US Federal Programs | P330-21-00056 | 05-17-24 |
| Virginia | NELAP | 460166 | 06-14-23 |
| West Virginia DEP | State | 136 | 03-31-23 |

# Eurofins Pensacola

## Job Notes

The test results in this report meet all NELAP requirements for accredited parameters, unless otherwise noted, and relate only to the referenced samples. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory. For questions please contact the Project Manager at the e-mail address listed on this page, or the telephone number at the bottom of the page. Eurofins Environment Testing Southeast LLC, Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250510), New Jersey (FL006), North Carolina (314), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-10-2), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southeast, LLC Project Manager.

## Authorization

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**District IV**
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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 202015

## CONDITIONS

| Operator: | OGRID: |
|---|---|
| El Paso Natural Gas Company, L.L.C<br>1001 Louisiana Street<br>Houston, TX 77002 | 7046 |
| | Action Number:<br>202015 |
| | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| nvelez | Review of 2022 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory 1. Continue Planned Future Activities as stated within 2022 annual groundwater monitoring report. 2. Submit summarized activities completed and their results in next annual report. Submittal to OCD expected no later than April 1, 2024. | 4/26/2023 |