

Review of 2020 ANNUAL GROUNDWATER  
MONITORING REPORT:

Content satisfactory

1. Continue annual groundwater monitoring in 2021
2. Submit summarized activities completed and their results in a 2021 Annual Report. Submittal to OCD expected no later than March 31,2022



## 2020 ANNUAL GROUNDWATER MONITORING REPORT

Blanco Plant – South Flare Pit and  
D Plant Areas

NMOCD Order No. GW-49  
NMOCD Incident No. nAPP2110640022  
NMOCD Facility ID# FEEM0427443334

Prepared for:

El Paso Natural Gas Company, LLC  
1001 Louisiana Street  
Houston, Texas 77002

Prepared by:

Stantec Consulting Services Inc.  
11153 Aurora Avenue  
Des Moines, IA 50322

April 2021



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

## **Table of Contents**

|            |   |          |
|------------|---|----------|
| <b>1.0</b> | <b>INTRODUCTION.....</b>                      | <b>1</b> |
| <b>2.0</b> | <b>SITE BACKGROUND .....</b>                  | <b>2</b> |
| 2.1        | SITE DESCRIPTION .....                        | 2        |
| 2.2        | SITE HISTORY.....                             | 2        |
| 2.3        | GEOLOGY AND HYDROGEOLOGY .....                | 3        |
| <b>3.0</b> | <b>GROUNDWATER MONITORING ACTIVITIES.....</b> | <b>4</b> |
| 3.1        | DEPTH TO WATER MEASUREMENTS.....              | 4        |
| 3.2        | GROUNDWATER SAMPLING.....                     | 4        |
| <b>4.0</b> | <b>GROUNDWATER RESULTS.....</b>               | <b>6</b> |
| 4.1        | GROUNDWATER ELEVATION AND GRADIENT.....       | 6        |
| 4.2        | GROUNDWATER ANALYTICAL RESULTS.....           | 6        |
| <b>5.0</b> | <b>PLANNED FUTURE ACTIVITIES .....</b>        | <b>7</b> |
| <b>6.0</b> | <b>REFERENCES .....</b>                       | <b>8</b> |

### **LIST OF TABLES**

Table 1 – Groundwater Elevation Data

Table 2 – Summary of Groundwater Volatile Organic Compound Analytical Results

Table 3 – Summary of Groundwater Nitrate/Nitrite Analytical Results

### **LIST OF FIGURES**

Figure 1 – Site Location Map

Figure 2 – Site Plan

Figure 3 – Groundwater Elevation Map – November 17, 2020

Figure 4 – Groundwater Analytical Results – Nitrate

### **LIST OF APPENDICES**

Appendix A – NMOCD Notification of Site Activities

Appendix B – Wastewater Disposal Documentation

Appendix C – Analytical Laboratory Report



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

**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                        |
| MDPE   | mobile dual-phase extraction                |
| 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                   |



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

## **1.0 INTRODUCTION**

This 2020 Annual Groundwater Monitoring Report has been prepared on behalf of El Paso Natural Gas Company, LLC (EPNG) to present the results of the 2020 annual groundwater monitoring activities at the Blanco Gas Plant South Flare Pit (SFP) and D Plant Areas.

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 Autumn. The site location is shown in Figure 1 and the site plan is shown in Figure 2. The 2020 groundwater sampling event was performed by Stantec Consulting Services, Inc. (Stantec), on behalf of EPNG.



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS****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 and December 1992. In 2003, the majority of the Blanco Gas Plant was sold by EPNG to Enterprise Products (Enterprise). Kinder Morgan, the parent company of EPNG, currently operates a portion of the compression facilities at the site. Properties adjacent to the site include the following:

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

**2.2 SITE HISTORY**

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

In 1990, a study was conducted by K.W. Brown and Associates, Inc. (K.W. Brown, 1990) to investigate the extent of contamination in the D Plant Area due to a leaking underground storage tank. As part of this study, the source of elevated nitrate in groundwater was further investigated. Offsite 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,



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

MW-80, and MW-81 were installed. The findings indicated that the VOCs in the D Plant Area were limited to a small central area and the only exceedance of a New Mexico Water Quality Control Commission (NMWQCC) standard was for 1,1-dichloroethane at MW-13. There were several exceedances of the NMWQCC standard for nitrate in the D Plant Area. Nitrate exceedances of the NMWQCC standard were found throughout the southern portion of the site, including at the former SFP, however, the nitrate did not exceed standards in the downgradient wells, indicating that the limits of the nitrate exceedances in groundwater were delineated onsite. The findings of that investigation were presented in a Site Characterization Report (CH2M, 2016).

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

**2.3 GEOLOGY AND HYDROGEOLOGY**

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

The direction of groundwater flow was determined to be to the south, towards the San Juan River (Bechtel, 1989). The average hydraulic conductivity was estimated to be  $2.1 \times 10^{-4}$  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.



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

### **3.0 GROUNDWATER MONITORING ACTIVITIES**

Stantec conducted annual groundwater monitoring at the Blanco Gas Plant South Flare Pit (SFP) and D Plant Areas (D Plant Areas) site in November 2020. Stantec provided a field work notification via email to the NMOCD on November 5, 2020, prior to initiating sampling and monitoring activities at the site. A copy of the 2020 NMOCD notification is provided in Appendix A.

The following sections summarize the activities conducted during 2020.

#### **3.1 DEPTH TO WATER MEASUREMENTS**

Site-wide groundwater gauging activities were performed on November 17, 2020, with the nineteen (19) EPNG monitoring wells (MW-8, MW-12 through MW-15, MW-28, MW-29, MW-30, and MW-71 through MW-81) accessed and gauged. 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 17, 2020, to evaluate groundwater elevations across both the north and south portions of the Blanco Plant.

Well gauging was completed using an oil-water interface probe. 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 2020 groundwater gauging data and resulting groundwater elevations are included with historical gauging results on Table 1.

#### **3.2 GROUNDWATER SAMPLING**

Following collection of gauging data on November 17, 2020, groundwater samples were collected from the EPNG monitoring wells using HydraSleeve samplers on November 18, 2020. The HydraSleeves used to collect the groundwater samples were installed in the site monitoring wells following the October 2019 annual groundwater sampling event (completed by another contractor). Following sampling activities, Stantec installed new HydraSleeves to facilitate future groundwater sampling at these locations.

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

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



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

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.



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

## **4.0 GROUNDWATER RESULTS**

### **4.1 GROUNDWATER ELEVATION AND GRADIENT**

Groundwater elevations determined from the November 17, 2020 gauging event indicate the apparent groundwater flow direction across the Site is generally to the south and southeast, as depicted on Figure 3. The groundwater elevation trends across the Blanco Plant are generally consistent with the previous gauging event in October 2019.

### **4.2 GROUNDWATER ANALYTICAL RESULTS**

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

1,1-dichloroethane (1,1-DCA) was not detected at or above the NMWQCC Standard (0.025 milligrams per liter [mg/L]) in the samples collected from the five monitoring wells for analysis of VOCs.

1,2-dichlorobenzene (1,1-DCB) was detected in 2 of the 5 monitoring wells sampled and analyzed for VOCs, at concentrations ranging from 0.00060 mg/L (MW-12) to 0.00097 mg/L (MW-13). A NMWQCC standard for 1,1-DCB has not been established.

1,1-dichloroethene (1,1-DCE) was not detected at or above the NMWQCC Standard (0.005 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/mL) 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/mL) 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 (25 mg/L), MW-28 (130 mg/L), MW-29 (100 mg/L), MW-30 (15 mg/L), MW-71 (17 mg/L), MW-73 (22 mg/L), MW-75 (68 mg/L), MW-77 (62 mg/L), MW-78 (43 mg/L), MW-80 (110 mg/L), and MW-81 (40 mg/L). Nitrate was either not detected or detected at concentrations below the standard in the remaining site wells.

Field duplicate samples were collected from monitoring wells MW-14 and MW-28 during the 2020 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 2020.



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

## **5.0 PLANNED FUTURE ACTIVITIES**

Annual groundwater monitoring is to continue in 2020. Groundwater samples will be collected from the nineteen site monitoring wells. Field duplicates and a trip blank will also be collected during the groundwater sampling event. The groundwater samples, and field duplicates will be analyzed for nitrate using Method 300.0. Monitoring wells MW-12 through MW-15, MW-71, one duplicate sample, and the trip blank will also be analyzed for VOCs.

The activities completed in 2021 and their results will be summarized in the 2021 Annual Report, submitted in early 2022.



**2020 ANNUAL GROUNDWATER REPORT  
BLANCO PLANT – SOUTH FLARE PIT AND D PLANT AREAS**

## **6.0 REFERENCES**

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

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

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

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.



## TABLES

TABLE 1 – GROUNDWATER ELEVATION DATA

TABLE 2 – SUMMARY OF GROUNDWATER OC ANALYTICAL RESULTS

TABLE 3 – SUMMARY OF NITRATE GROUNDWATER ANALYTICAL RESULTS



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

| Monitoring Well | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|-----------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-8</b>     | <b>5581.61</b>             | 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                               |
| <b>MW-12</b>    | <b>5605.04</b>             | 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                               |



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

| Monitoring Well | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|-----------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-13</b>    | <b>5600.64</b>             | 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                               |
| <b>MW-14</b>    | <b>5601.54</b>             | 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                               |
| <b>MW-15</b>    | <b>5599.82</b>             | 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<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(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                               |
| 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                               |
| 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<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(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                               |
| MW-30           | 5578.39                    | 11/17/2020          | 29.03                       | 5549.37                               |
|                 |                            | 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                               |
| 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                               |
| MW-72           | 5569.51                    | 11/17/2020          | 24.78                       | 5571.54                               |
|                 |                            | 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                               |



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

| Monitoring Well | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|-----------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| MW-73           | 5578.7                     | 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                               |
| MW-74           | 5571.47                    | 11/17/2020          | 28.99                       | 5549.71                               |
|                 |                            | 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                               |
| MW-75           | 5582.66                    | 10/15/2019          | 22.75                       | 5548.72                               |
|                 |                            | 11/17/2020          | 21.12                       | 5550.35                               |
|                 |                            | 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                               |
| MW-76           | 5567.13                    | 9/23/2019           | 27.12                       | 5555.54                               |
|                 |                            | 10/15/2019          | 26.56                       | 5556.10                               |
|                 |                            | 11/17/2020          | 29.95                       | 5552.71                               |
|                 |                            | 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                               |
| MW-77           | 5574.52                    | 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                               |
|                 |                            | 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                               |
| MW-78           | 5576.27                    | 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                               |
|                 |                            | 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                               |



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

| Monitoring Well | TOC Elevation<br>(ft amsl) | Measurement<br>Date | Depth to Water<br>(ft btoc) | Groundwater<br>Elevation<br>(ft amsl) |
|-----------------|----------------------------|---------------------|-----------------------------|---------------------------------------|
| <b>MW-79</b>    | <b>5583.35</b>             | 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                               |
| <b>MW-80</b>    | <b>5587.4</b>              | 11/17/2020          | 33.39                       | 5549.96                               |
|                 |                            | 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                               |
| <b>MW-81</b>    | <b>5576.5</b>              | 10/15/2019          | 27.56                       | 5559.84                               |
|                 |                            | 11/17/2020          | 30.90                       | 5556.50                               |
|                 |                            | 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                               |
| <b>MW-81</b>    | <b>5576.5</b>              | 9/23/2019           | 28.10                       | 5548.40                               |
|                 |                            | 10/15/2019          | 27.98                       | 5548.52                               |
|                 |                            | 11/17/2020          | 27.25                       | 5549.25                               |

**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            | NE          | 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   | 0.000384 J    | 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  |
| 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   |
| 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   |
| MW-15                   | 5/28/2002   | 0.0053     | <0.001     | <0.001     | <0.001        | <0.001      | <0.001     | <0.001     |
|                         | 6/3/2003    | 0.006      | <0.002     | <0.002     | <0.002        | <0.002      | <0.002     | <0.002     |
|                         | 5/17/2004   | 0.0063     | <0.002     | <0.002     | <0.002        | <0.002      | <0.002     | <0.002     |
|                         | 5/31/2005   | <0.002     | <0.002     | <0.002     | <0.002        | <0.002      | <0.002     | <0.002     |
|                         | 6/8/2006    | 0.0043     | <0.002     | <0.002     | <0.002        | <0.002      | <0.002     | <0.002     |



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

| Monitoring Well         | Sample Date | 1,1-DCA    | 1,2-DCB    | 1,1-DCE   | trans-1,2-DCE | cis-1,2-DCE | TCE        | PCE       |
|-------------------------|-------------|------------|------------|-----------|---------------|-------------|------------|-----------|
| NMWQCC Standard (mg/L): |             | 0.025      | NE         | 0.005     | NE            | NE          | 0.1        | 0.02      |
| MW-15                   | 6/20/2007   | 0.0048     | <0.002     | <0.002    | <0.002        | <0.002      | <0.002     | <0.002    |
|                         | 5/22/2008   | 0.0036     | <0.002     | <0.002    | <0.002        | 0.00064     | <0.002     | <0.002    |
|                         | 5/28/2009   | 0.0033     | <0.002     | <0.002    | <0.002        | <0.002      | <0.002     | <0.002    |
|                         | 5/25/2010   | 0.0027     | <0.002     | <0.002    | <0.002        | <0.002      | <0.002     | <0.002    |
|                         | 10/19/2011  | 0.003      | <0.001     | <0.001    | <0.001        | 0.00044     | <0.001     | <0.001    |
|                         | 12/18/2013  | 0.00321    | NT         | <0.00019  | <0.00009      | 0.000465 J  | 0.000324 J | <0.00013  |
|                         | 12/17/2014  | 0.00284    | NT         | <0.00095  | <0.00045      | 0.000526    | <0.0009    | 0.000798  |
|                         | 2/10/2015   | 0.00187    | NT         | 0.000962  | 0.000961      | 0.000785    | 0.000688   | 0.00257   |
|                         | 12/16/2015  | <0.00336   | NT         | <0.00384  | <0.00384      | <0.00314    | <0.00276   | <0.00666  |
|                         | 12/14/2016  | 0.00191    | NT         | <0.000192 | <0.000192     | 0.000176 J  | 0.000168 J | <0.000333 |
|                         | 11/15/2017  | 0.00158    | <0.000153  | <0.000192 | <0.000192     | <0.000157   | <0.000138  | <0.000333 |
|                         | 11/15/2018  | <0.000840  | 0.000765   | <0.000960 | <0.000960     | <0.000785   | <0.000690  | <0.00167  |
|                         | 10/16/2019  | 0.00204 J  | <0.000765  | <0.00096  | <0.00096      | <0.000785   | <0.000690  | <0.00167  |
| MW-71                   | 11/18/2020  | 0.0015     | <0.00050   | <0.00050  | <0.00050      | <0.00050    | <0.00050   | <0.00058  |
|                         | 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    |

**Notes:****Bold text indicates a detected concentration****Shaded cells and bold text indicate concentrations exceeded the NMWQCC standard**

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



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



**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) |
|--------------------------------|-------------|------------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>10</b>              |
| <b>MW-15</b>                   | 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+                  |
| <b>MW-28</b>                   | 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+                 |
| <b>DUP-02 (Duplicate)</b>      | 11/18/2020  | 130 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) |
|--------------------------------|-------------|------------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>10</b>              |
| <b>MW-29</b>                   | 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-                 |
| <b>MW-30</b>                   | 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-                  |



**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) |
|--------------------------------|-------------|------------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>10</b>              |
| <b>MW-71</b>                   | 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-                  |
| <b>MW-72</b>                   | 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-                 |
| <b>MW-73</b>                   | 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-                  |
| <b>MW-74</b>                   | 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-                 |
| <b>MW-75</b>                   | 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+                  |
| <b>MW-76</b>                   | 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-                |
| <b>MW-77</b>                   | 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-                  |



**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) |
|--------------------------------|-------------|------------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>10</b>              |
| <b>MW-78</b>                   | 2/11/2015   | <b>15.5</b>            |
|                                | 12/17/2015  | <b>13.5</b>            |
|                                | 12/14/2016  | <b>35.3</b>            |
|                                | 11/15/2017  | <b>24.2</b>            |
|                                | 11/15/2018  | <b>23.3</b>            |
|                                | 10/15/2019  | <b>13.9 J</b>          |
|                                | 11/18/2020  | <b>43 J-</b>           |
| <b>MW-79</b>                   | 2/10/2015   | <b>10</b>              |
|                                | 12/17/2015  | <b>18.4</b>            |
|                                | 12/14/2016  | <b>1.95</b>            |
|                                | 11/15/2017  | <b>1.06</b>            |
|                                | 11/15/2018  | <b>2.55</b>            |
|                                | 10/15/2019  | <b>14.9 J</b>          |
|                                | 11/18/2020  | <b>0.66 J-</b>         |
| <b>MW-80</b>                   | 2/10/2015   | <b>24.4</b>            |
|                                | 12/17/2015  | <b>89.4</b>            |
|                                | 12/14/2016  | <b>92</b>              |
|                                | 11/15/2017  | <b>69.6</b>            |
|                                | 11/15/2018  | <1.7                   |
|                                | 10/15/2019  | <b>92.7 J</b>          |
|                                | 11/18/2020  | <b>110 J-</b>          |
| <b>MW-81</b>                   | 2/11/2015   | <b>15.7</b>            |
|                                | 12/17/2015  | <b>52.3</b>            |
|                                | 12/14/2016  | <b>34.6</b>            |
|                                | 11/15/2017  | <b>8.8</b>             |
|                                | 11/15/2018  | <b>41.3</b>            |
|                                | 10/16/2019  | <b>48.7 J</b>          |
|                                | 11/18/2020  | <b>40 J-</b>           |

**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

J = The analytical result is estimated.

J+ = the analytical result was positively identified; the quantitation is an estimation with a potential high bias.

J- = the analytical result was positively identified; the quantitation is an estimation with a potential low bias.

NE = not established

**Bold text indicates a detected concentration**

**Shaded cells and bold text indicate concentrations exceeded the NMWQCC standard**



## FIGURES

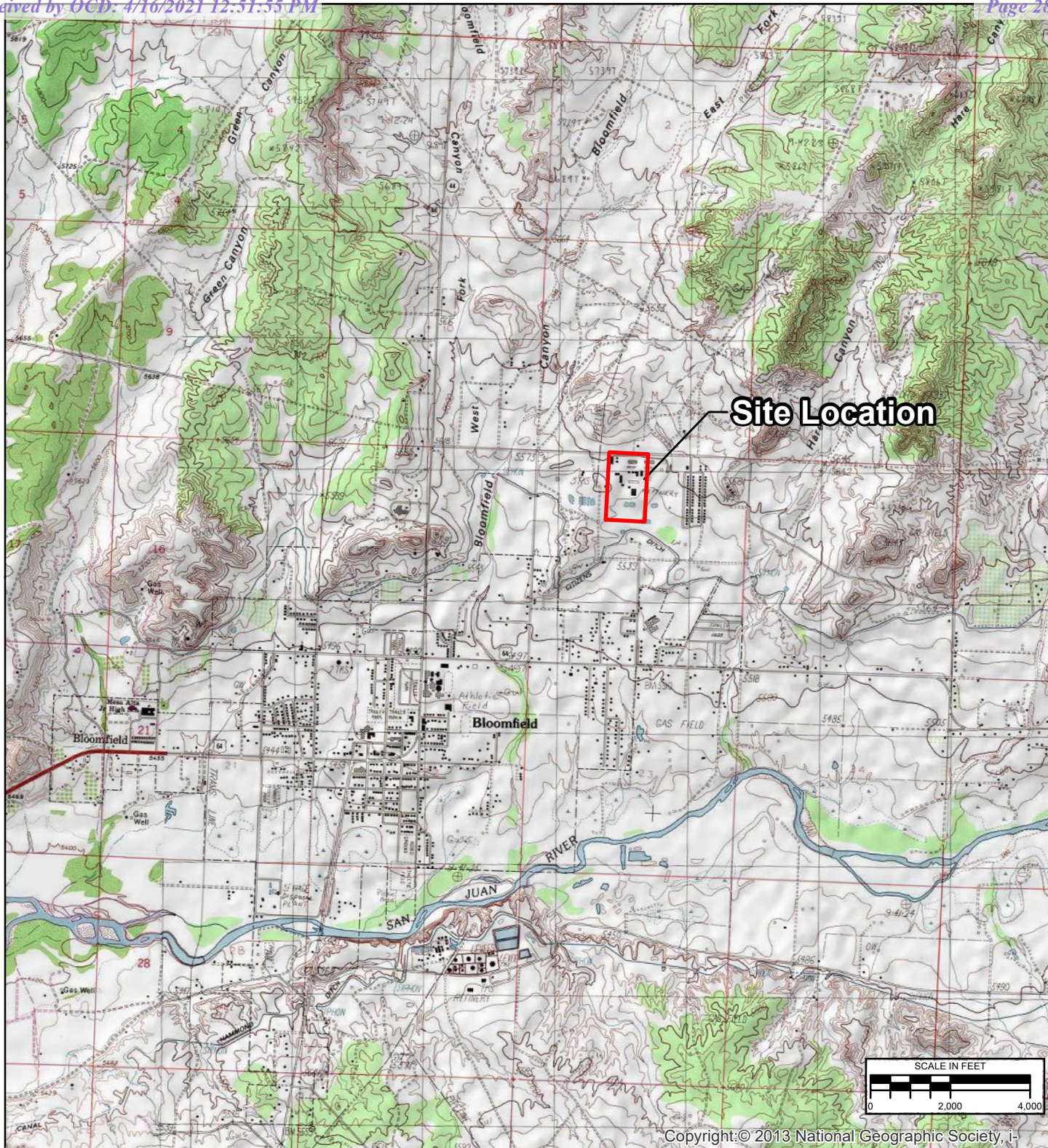
FIGURE 1: SITE LOCATION

FIGURE 2: SITE PLAN

FIGURE 3: GROUNDWATER ELEVATION MAP – NOVEMBER 17, 2020

FIGURE 4: GROUNDWATER ANALYTICAL RESULTS – NITRATE



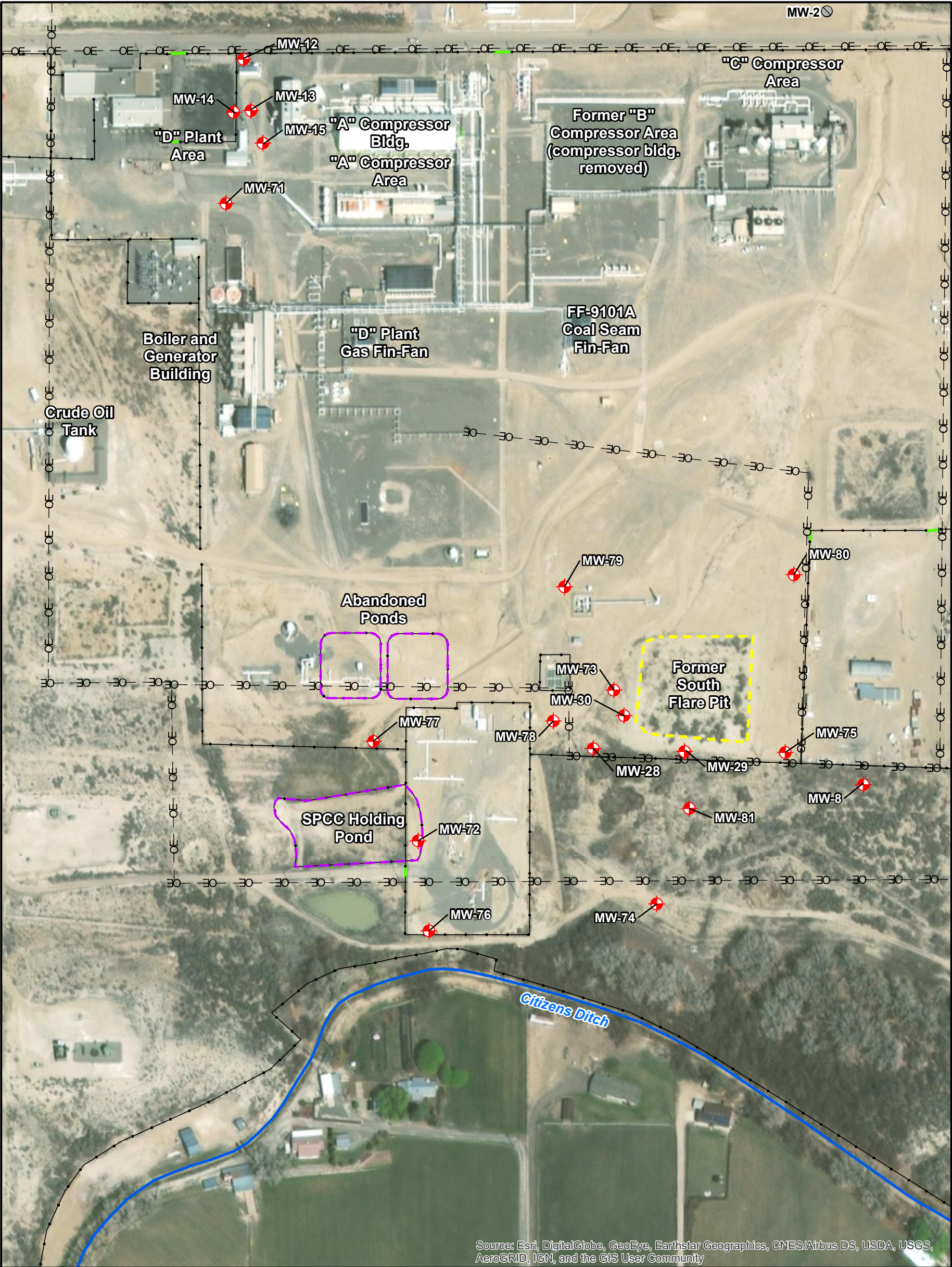


| REVISION | DATE      | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|-----------|-----------|----------|-------------|
|          | 2/13/2021 | SLG       | SLG      | SRV         |

|               |  |   |
|---------------|--|---|
| TITLE         |  |  Stantec |
| SITE LOCATION |  |   |
| PROJECT       | BLANCO SOUTH FLARE PIT<br>BLOOMFIELD, NEW MEXICO | FIGURE<br>1   |



U:\193710238\07\_historical\SJRB GENERAL\GIS-NEW\_MXD\BLANCO SOUTH FLARE PIT\2020\Figure\_2\_BSPF\_Site\_Map.mxd



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

**LEGEND**

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

SCALE IN FEET

0

150

300

REVISION

DATE

DESIGN BY

DRAWN BY

REVIEWED BY

|  |           |     |     |     |
|--|-----------|-----|-----|-----|
|  | 2/16/2021 | SLG | SLG | SRV |
|--|-----------|-----|-----|-----|

TITLE:

**SITE PLAN**

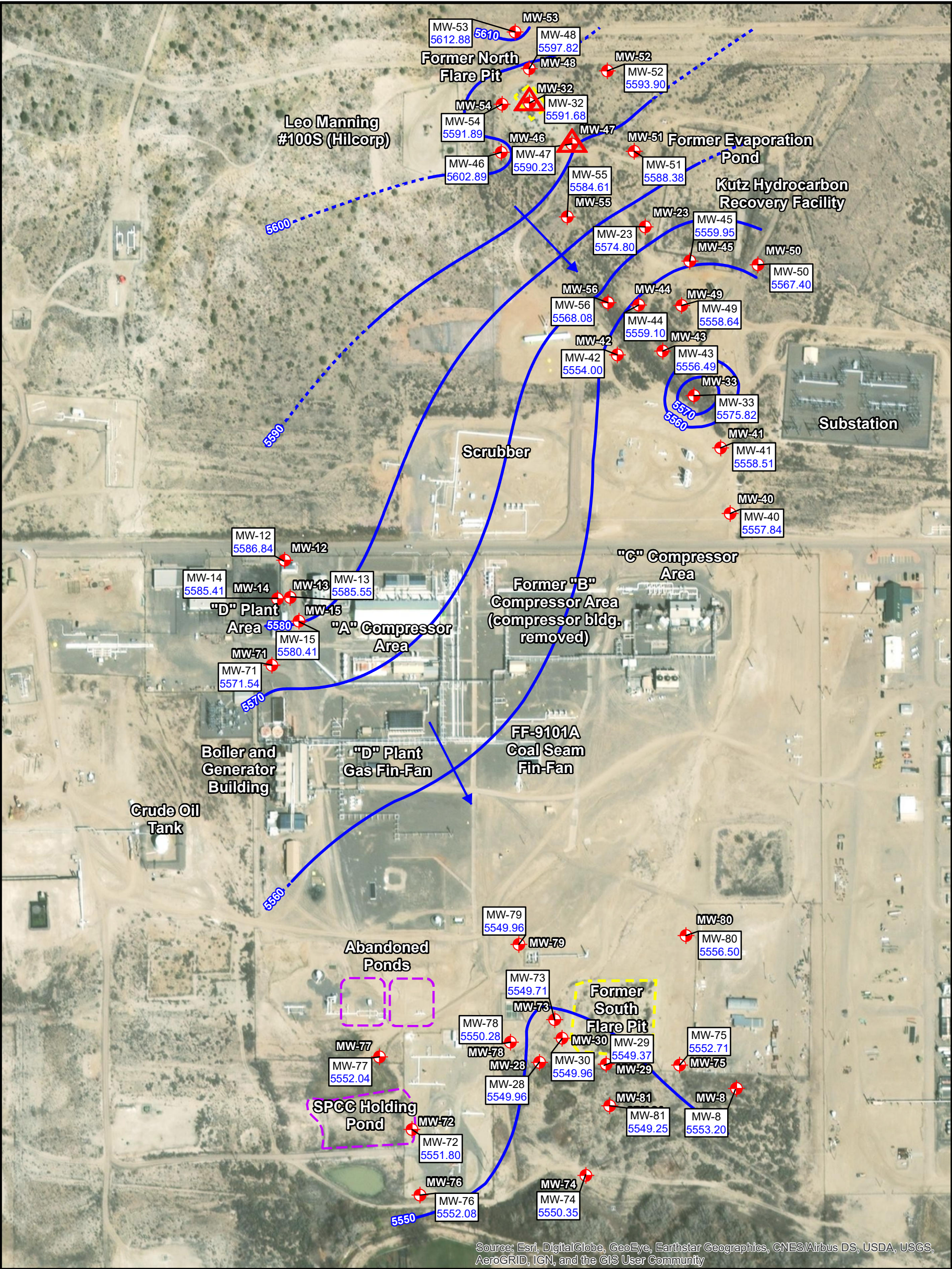
PROJECT:**BLANCO PLANT - SOUTH FLARE PIT AND D PLANT AREA**  
**BLOOMFIELD, NEW MEXICO**

Stantec

Figure No.:  
**2**



U:\193710238\07\_historical\SJRB GENERAL\GIS-NEW\_MXD\BLANCO NORTH FLARE PIT\2020\Figure\_4\_Blanco\_GECM\_11-17-2020.mxd



LEGEND

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

SCALE IN FEET

0200400

REVISION

DATE

DESIGN BY

DRAWN BY

REVIEWED BY

3/15/2021

SLG

SLG

SRV

TITLE:

GROUNDWATER ELEVATION MAP

NOVEMBER 17, 2020

PROJECT:

BLANCO PLANT

BLOOMFIELD, NEW MEXICO

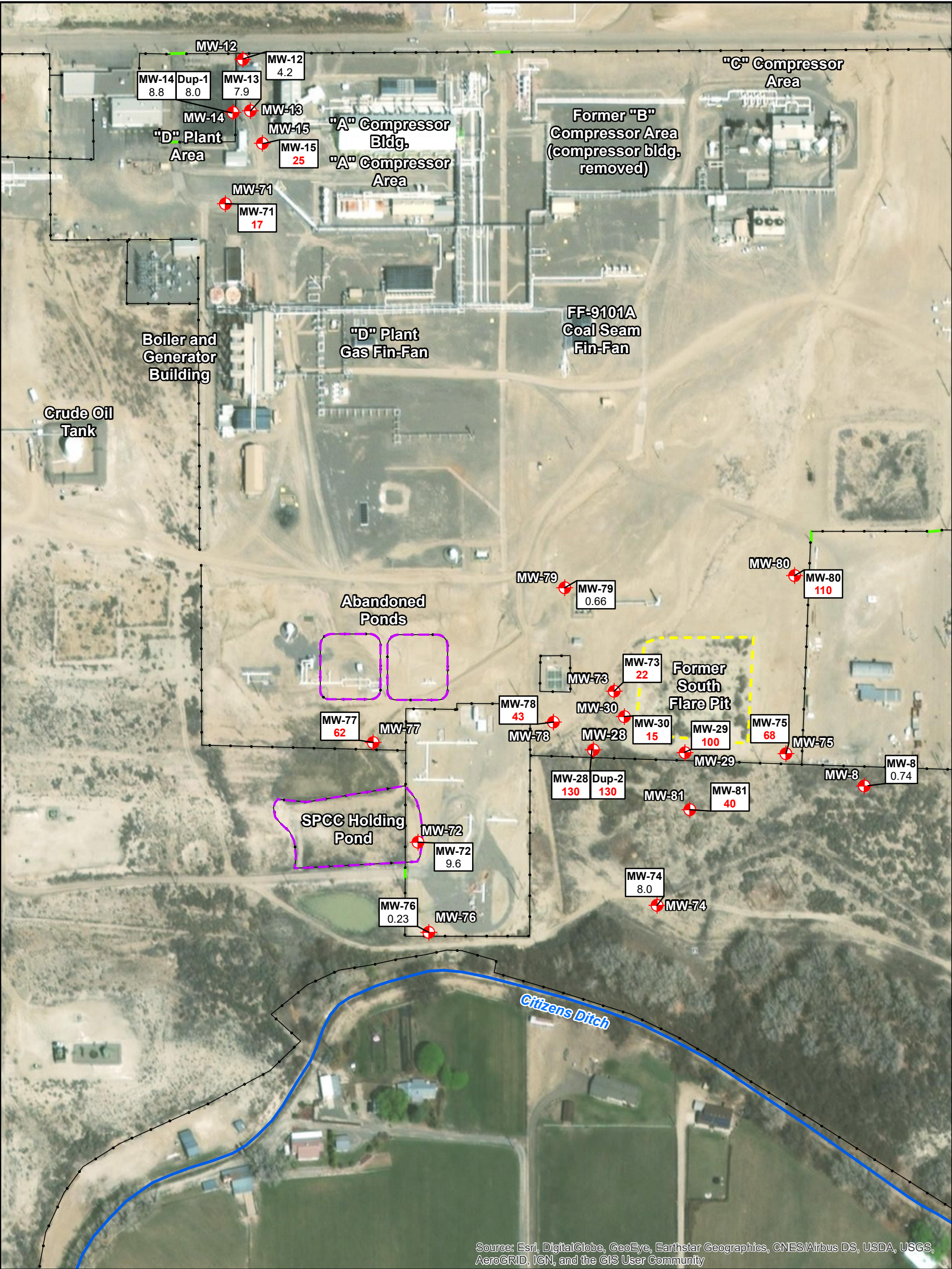
Figure No.:

3

Stantec



U:\193710238\07\_historical\SJRB GENERAL\GIS-NEW\MXDs\BLANCO SOUTH FLARE PIT\2020\Figure\_4\_BSFP\_GARM\_11-2020.mxd



**LEGEND**

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

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

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

SCALE IN FEET

0 150 300

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

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

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

Stantec

Figure No.: **4**



## **APPENDICES**

APPENDIX A – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX B – WASTEWATER DISPOSAL DOCUMENTATION

APPENDIX C – NOVEMBER 18, 2020 GROUNDWATER SAMPLING ANALYTICAL  
REPORT



# APPENDIX A



**From:** [Smith, Cory, EMNRD](#)  
**To:** [Varsa, Steve](#)  
**Cc:** [Griswold, Jim, EMNRD](#); [Wiley, Joe](#)  
**Subject:** RE: El Paso Natural Gas Company/Blanco Plant South Flare Pit and D Plant Areas - Notice of upcoming sampling activities  
**Date:** Thursday, November 05, 2020 9:03:10 AM

---

Steve,

Thank you for the notice of sampling.

Cory Smith  
Environmental Specialist  
Oil Conservation Division  
Energy, Minerals, & Natural Resources  
1000 Rio Brazos, Aztec, NM 87410  
(505)334-6178 ext 115  
[cory.smith@state.nm.us](mailto:cory.smith@state.nm.us)

---

**From:** Varsa, Steve <steve.varsa@stantec.com>  
**Sent:** Thursday, November 5, 2020 6:14 AM  
**To:** Smith, Cory, EMNRD <Cory.Smith@state.nm.us>  
**Cc:** Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Wiley, Joe <joe\_wiley@kindermorgan.com>  
**Subject:** [EXT] El Paso Natural Gas Company/Blanco Plant South Flare Pit and D Plant Areas - Notice of upcoming sampling activities

Hi Cory –

On behalf of El Paso Natural Gas Company (EPNG), this correspondence is to provide notice to the NMOCD of upcoming groundwater sampling and monitoring activities at the above-referenced project site. Field activities are to occur on November 17 and 18, 2020.

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

Thank you,  
Steve

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

The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately.



# APPENDIX B



# BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

NO. 800761

NMOCD PERMIT: NM -001-0005

Oil Field Waste Document, Form C138

INVOICE:

DATE

GENERATOR:

HAULING CO.

ORDERED BY:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste☐ Produced Water☐ Drilling/Completion FluidsSTATE: ☒ NM ☐ CO ☐ AZ ☐ UTTREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

| NO. | TRUCK | LOCATION(S)    | VOLUME | COST | H2S | COST | TOTAL | TIME |
|-----|-------|----------------|--------|------|-----|------|-------|------|
| 1   |       | Smith Flax pit | ✓      | 70   |     |      | 70    |      |
| 2   |       |                |        |      |     |      |       |      |
| 3   |       |                |        |      |     |      |       |      |
| 4   |       |                |        |      |     |      |       |      |
| 5   |       |                |        |      |     |      |       |      |

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

☒ Approved☐ DeniedATTENDANT SIGNATURE CST

SAN JUAN PRINTING 2020 1973-1



# APPENDIX C





## Environment Testing America

### ANALYTICAL REPORT

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

Laboratory Job ID: 400-196065-1  
Client Project/Site: Blanco Gas Plant South

For:  
Stantec Consulting Services Inc  
11153 Aurora Avenue  
Des Moines, Iowa 50322-7904

Attn: Steve Varsa

Authorized for release by:  
12/11/2020 1:05:16 PM

Marty Edwards, Client Service Manager  
(850)471-6227  
[Marty.Edwards@Eurofinset.com](mailto:Marty.Edwards@Eurofinset.com)

#### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Laboratory Job ID: 400-196065-1

# Table of Contents

|                                 |    |
|---------------------------------|----|
| Cover Page . . . . .            | 1  |
| Table of Contents . . . . .     | 2  |
| Case Narrative . . . . .        | 3  |
| Detection Summary . . . . .     | 5  |
| Sample Summary . . . . .        | 9  |
| Client Sample Results . . . . . | 10 |
| Definitions . . . . .           | 32 |
| Surrogate Summary . . . . .     | 33 |
| QC Association . . . . .        | 34 |
| QC Sample Results . . . . .     | 36 |
| Chronicle . . . . .             | 44 |
| Method Summary . . . . .        | 52 |
| Certification Summary . . . . . | 53 |
| Chain of Custody . . . . .      | 54 |
| Receipt Checklists . . . . .    | 56 |

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15



## Case Narrative

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

**Job ID: 400-196065-1****Laboratory: Eurofins TestAmerica, Pensacola****Narrative**
**Job Narrative**  
**400-196065-1**
**Comments**

No additional comments.

**Receipt**

The samples were received on 11/19/2020 9:30 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.4° C, 0.7° C and 3.0° C.

**Receipt Exceptions**

For the following sample, collection time on the COC does not match the collection time on the container: DUP-02 (400-196065-3). The Laboratory used the collection time on the COC for the login.

**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 middle CCV 400-511646 failed to inject in the sequence and did not create a data file due to an instrument error; however, the following CCV passed, therefore the data is reported.

Method 300.0: The continuing calibration verification (CCV) associated with batch 400-512012 recovered above the upper control limit for Nitrite as N. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-02 (400-196065-3), MW-15 (400-196065-8), MW-28 (400-196065-9), MW-29 (400-196065-10), MW-30 (400-196065-11), MW-71 (400-196065-12), MW-73 (400-196065-14), MW-75 (400-196065-16), MW-77 (400-196065-18), MW-78 (400-196065-19), MW-78 (400-196065-19[MS]), MW-78 (400-196065-19[MSD]), MW-80 (400-196065-21) and MW-81 (400-196065-22). Elevated reporting limits (RLs) are provided.

Method 300.0: The following samples were analyzed outside of analytical holding time due to the large amount of short hold samples that came in at once, the instrument is not able to analyze the samples in the remaining time: DUP-01 (400-196065-2), DUP-02 (400-196065-3), MW-8 (400-196065-4), MW-12 (400-196065-5), MW-13 (400-196065-6), MW-14 (400-196065-7), MW-15 (400-196065-8), MW-28 (400-196065-9), MW-29 (400-196065-10), MW-30 (400-196065-11), MW-71 (400-196065-12), MW-72 (400-196065-13), MW-73 (400-196065-14), MW-74 (400-196065-15), MW-75 (400-196065-16), MW-76 (400-196065-17), MW-77 (400-196065-18), MW-78 (400-196065-19), MW-79 (400-196065-20), MW-80 (400-196065-21) and MW-81 (400-196065-22).

Method 300.0: The laboratory control sample (LCS) for analytical batch 400-511646 recovered outside control limits for the following analytes: Nitrite as N. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-511646 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The MRL 400-511646/5 recovered bias low, outside of criteria for Nitrite as N; however, the CCVs recovered within criteria, therefore the data is reported.

Method 300.0: The LCSD for batch 400-511646 did not inject properly and is therefore not reported.

Method 300.0: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 400-512536 recovered bias high outside control limits for the following analytes: Nitrate Nitrite as N. Since this is a total analyte summary, and the detections in the samples were from Nitrate as N, which recovered within method criteria, the data is reported.

Method 300.0: The following samples were re-analyzed outside of analytical holding time due to failing QC on initial analysis: MW-13



## Case Narrative

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

---

### Job ID: 400-196065-1 (Continued)

---

#### Laboratory: Eurofins TestAmerica, Pensacola (Continued)

(400-196065-6), MW-14 (400-196065-7), MW-13 (400-196065-6[MSJ]) and MW-13 (400-196065-6[MSD]).

Method 300.0: The matrix spike duplicate (MSD) recoveries for analytical batch 400-512012 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

#### VOA Prep

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



## Detection Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: TB-01

Lab Sample ID: 400-196065-1

No Detections.

## Client Sample ID: DUP-01

Lab Sample ID: 400-196065-2

| Analyte              | Result  | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|---------|-----------|--------|---------|------|---------|---|--------|-----------|
| 1,1-Dichloroethane   | 0.00071 | J         | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| Nitrate as N         | 8.0     | H         | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 8.2     | H         | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.16    | H         | 0.10   | 0.026   | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: DUP-02

Lab Sample ID: 400-196065-3

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 110    | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 130    | H         | 2.0  | 0.66  | mg/L | 20      |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 110    | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 130    | * H       | 2.0  | 0.66  | mg/L | 20      |   | 300.0  | Total/NA  |

## Client Sample ID: MW-8

Lab Sample ID: 400-196065-4

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 0.074  | J H       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 0.074  | J H       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-12

Lab Sample ID: 400-196065-5

| Analyte              | Result  | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|---------|-----------|--------|---------|------|---------|---|--------|-----------|
| 1,1-Dichloroethane   | 0.00072 | J         | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| 1,2-Dichlorobenzene  | 0.00060 | J         | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| Tetrachloroethene    | 0.00075 | J         | 0.0010 | 0.00058 | mg/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene      | 0.00086 | J         | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| Nitrate as N         | 4.2     | H         | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 4.2     | H         | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-13

Lab Sample ID: 400-196065-6

| Analyte              | Result  | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|---------|-----------|--------|---------|------|---------|---|--------|-----------|
| 1,1-Dichloroethane   | 0.0036  |           | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| 1,2-Dichlorobenzene  | 0.00097 | J         | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| Trichloroethene      | 0.0023  |           | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| Nitrate as N         | 7.7     | H F1      | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 7.9     | H F1      | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.20    | H F1      | 0.10   | 0.026   | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-14

Lab Sample ID: 400-196065-7

| 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  |
| Nitrate as N         | 8.6    | H         | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 8.8    | H         | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.22   | H *       | 0.10   | 0.026   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.16   | H         | 0.10   | 0.026   | mg/L | 1       |   | 300.0  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola



## Detection Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: MW-15

## Lab Sample ID: 400-196065-8

| Analyte              | Result | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|--------|---------|------|---------|---|--------|-----------|
| 1,1-Dichloroethane   | 0.0015 |           | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| Nitrate as N         | 21     | H E       | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 25     | H         | 0.50   | 0.17    | mg/L | 5       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 21     | H E       | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 25     | * H       | 0.50   | 0.17    | mg/L | 5       |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.16   | H         | 0.10   | 0.026   | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-28

## Lab Sample ID: 400-196065-9

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 110    | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 130    | H         | 2.0  | 0.66  | mg/L | 20      |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 110    | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 130    | * H       | 2.0  | 0.66  | mg/L | 20      |   | 300.0  | Total/NA  |

## Client Sample ID: MW-29

## Lab Sample ID: 400-196065-10

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 99     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 100    | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 99     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 100    | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.082  | J H       | 0.10 | 0.026 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-30

## Lab Sample ID: 400-196065-11

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 14     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 15     | H         | 0.20 | 0.066 | mg/L | 2       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 14     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 15     | H         | 0.20 | 0.066 | mg/L | 2       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-71

## Lab Sample ID: 400-196065-12

| Analyte              | Result  | Qualifier | RL     | MDL     | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|---------|-----------|--------|---------|------|---------|---|--------|-----------|
| 1,1-Dichloroethane   | 0.00070 | J         | 0.0010 | 0.00050 | mg/L | 1       |   | 8260B  | Total/NA  |
| Tetrachloroethene    | 0.0011  |           | 0.0010 | 0.00058 | mg/L | 1       |   | 8260B  | Total/NA  |
| Nitrate as N         | 17      | H E       | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 17      | H         | 0.20   | 0.066   | mg/L | 2       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 17      | H E       | 0.10   | 0.033   | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 17      | H         | 0.20   | 0.066   | mg/L | 2       |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.051   | J H *     | 0.10   | 0.026   | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-72

## Lab Sample ID: 400-196065-13

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 9.6    | H         | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 9.6    | H         | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.027  | J H       | 0.10 | 0.026 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-73

## Lab Sample ID: 400-196065-14

| Analyte      | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|--------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N | 22     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola



## Detection Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: MW-73 (Continued)

## Lab Sample ID: 400-196065-14

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 22     | H         | 0.20 | 0.066 | mg/L | 2       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 22     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 22     | H         | 0.20 | 0.066 | mg/L | 2       |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.027  | J H       | 0.10 | 0.026 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-74

## Lab Sample ID: 400-196065-15

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 8.0    | H         | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 8.0    | H         | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-75

## Lab Sample ID: 400-196065-16

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 65     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 68     | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 65     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 68     | * H       | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.089  | J H       | 0.10 | 0.026 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-76

## Lab Sample ID: 400-196065-17

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 0.23   | H         | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 0.23   | H         | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-77

## Lab Sample ID: 400-196065-18

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 58     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 62     | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 58     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 62     | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |

## Client Sample ID: MW-78

## Lab Sample ID: 400-196065-19

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 39     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 43     | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 39     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 43     | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |

## Client Sample ID: MW-79

## Lab Sample ID: 400-196065-20

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 0.66   | H         | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 0.66   | H         | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-80

## Lab Sample ID: 400-196065-21

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 100    | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 110    | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 100    | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola



## Detection Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: MW-80 (Continued)

## Lab Sample ID: 400-196065-21

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate Nitrite as N | 110    | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.095  | J H       | 0.10 | 0.026 | mg/L | 1       |   | 300.0  | Total/NA  |

## Client Sample ID: MW-81

## Lab Sample ID: 400-196065-22

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | Dil Fac | D | Method | Prep Type |
|----------------------|--------|-----------|------|-------|------|---------|---|--------|-----------|
| Nitrate as N         | 40     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate as N         | 40     | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 40     | H E       | 0.10 | 0.033 | mg/L | 1       |   | 300.0  | Total/NA  |
| Nitrate Nitrite as N | 40     | H         | 1.0  | 0.33  | mg/L | 10      |   | 300.0  | Total/NA  |
| Nitrite as N         | 0.088  | J H       | 0.10 | 0.026 | mg/L | 1       |   | 300.0  | Total/NA  |

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola



## Sample Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Asset ID |
|---------------|------------------|--------|----------------|----------------|----------|
| 400-196065-1  | TB-01            | Water  | 11/18/20 11:00 | 11/19/20 09:30 |          |
| 400-196065-2  | DUP-01           | Water  | 11/18/20 12:22 | 11/19/20 09:30 |          |
| 400-196065-3  | DUP-02           | Water  | 11/18/20 13:32 | 11/19/20 09:30 |          |
| 400-196065-4  | MW-8             | Water  | 11/18/20 14:15 | 11/19/20 09:30 |          |
| 400-196065-5  | MW-12            | Water  | 11/18/20 12:40 | 11/19/20 09:30 |          |
| 400-196065-6  | MW-13            | Water  | 11/18/20 12:20 | 11/19/20 09:30 |          |
| 400-196065-7  | MW-14            | Water  | 11/18/20 11:52 | 11/19/20 09:30 |          |
| 400-196065-8  | MW-15            | Water  | 11/18/20 12:31 | 11/19/20 09:30 |          |
| 400-196065-9  | MW-28            | Water  | 11/18/20 13:02 | 11/19/20 09:30 |          |
| 400-196065-10 | MW-29            | Water  | 11/18/20 12:59 | 11/19/20 09:30 |          |
| 400-196065-11 | MW-30            | Water  | 11/18/20 13:06 | 11/19/20 09:30 |          |
| 400-196065-12 | MW-71            | Water  | 11/18/20 12:07 | 11/19/20 09:30 |          |
| 400-196065-13 | MW-72            | Water  | 11/18/20 13:39 | 11/19/20 09:30 |          |
| 400-196065-14 | MW-73            | Water  | 11/18/20 13:09 | 11/19/20 09:30 |          |
| 400-196065-15 | MW-74            | Water  | 11/18/20 14:05 | 11/19/20 09:30 |          |
| 400-196065-16 | MW-75            | Water  | 11/18/20 12:53 | 11/19/20 09:30 |          |
| 400-196065-17 | MW-76            | Water  | 11/18/20 14:01 | 11/19/20 09:30 |          |
| 400-196065-18 | MW-77            | Water  | 11/18/20 13:27 | 11/19/20 09:30 |          |
| 400-196065-19 | MW-78            | Water  | 11/18/20 13:15 | 11/19/20 09:30 |          |
| 400-196065-20 | MW-79            | Water  | 11/18/20 13:20 | 11/19/20 09:30 |          |
| 400-196065-21 | MW-80            | Water  | 11/18/20 12:48 | 11/19/20 09:30 |          |
| 400-196065-22 | MW-81            | Water  | 11/18/20 14:10 | 11/19/20 09:30 |          |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: TB-01

Lab Sample ID: 400-196065-1

Date Collected: 11/18/20 11:00

Matrix: Water

Date Received: 11/19/20 09:30

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

| Analyte                  | Result    | Qualifier | RL       | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------|-----------|-----------|----------|---------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane       | 0.00050   | U         | 0.0010   | 0.00050 | mg/L |   |          | 12/02/20 17:29 | 1       |
| 1,1-Dichloroethene       | 0.00050   | U         | 0.0010   | 0.00050 | mg/L |   |          | 12/02/20 17:29 | 1       |
| 1,2-Dichlorobenzene      | 0.00050   | U         | 0.0010   | 0.00050 | mg/L |   |          | 12/02/20 17:29 | 1       |
| cis-1,2-Dichloroethene   | 0.00050   | U         | 0.0010   | 0.00050 | mg/L |   |          | 12/02/20 17:29 | 1       |
| Tetrachloroethene        | 0.00058   | U         | 0.0010   | 0.00058 | mg/L |   |          | 12/02/20 17:29 | 1       |
| trans-1,2-Dichloroethene | 0.00050   | U         | 0.0010   | 0.00050 | mg/L |   |          | 12/02/20 17:29 | 1       |
| Trichloroethene          | 0.00050   | U         | 0.0010   | 0.00050 | mg/L |   |          | 12/02/20 17:29 | 1       |
| Surrogate                | %Recovery | Qualifier | Limits   |         |      |   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene     | 89        |           | 78 - 118 |         |      |   |          | 12/02/20 17:29 | 1       |
| Dibromofluoromethane     | 95        |           | 81 - 121 |         |      |   |          | 12/02/20 17:29 | 1       |
| Toluene-d8 (Surr)        | 96        |           | 80 - 120 |         |      |   |          | 12/02/20 17:29 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: DUP-01

Lab Sample ID: 400-196065-2

Date Collected: 11/18/20 12:22

Matrix: Water

Date Received: 11/19/20 09:30

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

| Analyte                  | Result  | Qualifier | RL     | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------|---------|-----------|--------|---------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane       | 0.00071 | J         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:47 | 1       |
| 1,1-Dichloroethene       | 0.00050 | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:47 | 1       |
| 1,2-Dichlorobenzene      | 0.00050 | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:47 | 1       |
| cis-1,2-Dichloroethene   | 0.00050 | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:47 | 1       |
| Tetrachloroethene        | 0.00058 | U         | 0.0010 | 0.00058 | mg/L |   |          | 12/01/20 10:47 | 1       |
| trans-1,2-Dichloroethene | 0.00050 | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:47 | 1       |
| Trichloroethene          | 0.00050 | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:47 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 93        |           | 78 - 118 |          | 12/01/20 10:47 | 1       |
| Dibromofluoromethane | 113       |           | 81 - 121 |          | 12/01/20 10:47 | 1       |
| Toluene-d8 (Surr)    | 99        |           | 80 - 120 |          | 12/01/20 10:47 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 8.0    | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 15:22 | 1       |
| Nitrate Nitrite as N | 8.2    | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 15:22 | 1       |
| Nitrite as N         | 0.16   | H         | 0.10 | 0.026 | mg/L |   |          | 11/21/20 15:22 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: DUP-02

Lab Sample ID: 400-196065-3

Date Collected: 11/18/20 13:32

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 110    | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 21:27 | 1       |
| Nitrate as N         | 130    | H         | 2.0  | 0.66  | mg/L |   |          | 11/30/20 15:40 | 20      |
| Nitrate Nitrite as N | 110    | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 21:27 | 1       |
| Nitrate Nitrite as N | 130    | * H       | 2.0  | 0.66  | mg/L |   |          | 11/30/20 15:40 | 20      |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 21:27 | 1       |



Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-8  
Date Collected: 11/18/20 14:15  
Date Received: 11/19/20 09:30

Lab Sample ID: 400-196065-4  
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 0.074  | J H       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 23:21 | 1       |
| Nitrate Nitrite as N | 0.074  | J H       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 23:21 | 1       |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 23:21 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-12

Lab Sample ID: 400-196065-5

Date Collected: 11/18/20 12:40

Matrix: Water

Date Received: 11/19/20 09:30

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

| Analyte                  | Result  | Qualifier | RL     | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|--------------------------|---------|-----------|--------|---------|------|---|----------|----------------|---------|
| 1,1-Dichloroethane       | 0.00072 | J         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:25 | 1       |
| 1,1-Dichloroethene       | 0.00050 | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:25 | 1       |
| 1,2-Dichlorobenzene      | 0.00060 | J         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:25 | 1       |
| cis-1,2-Dichloroethene   | 0.00050 | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:25 | 1       |
| Tetrachloroethene        | 0.00075 | J         | 0.0010 | 0.00058 | mg/L |   |          | 12/01/20 17:25 | 1       |
| trans-1,2-Dichloroethene | 0.00050 | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:25 | 1       |
| Trichloroethene          | 0.00086 | J         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:25 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 94        |           | 78 - 118 |          | 12/01/20 17:25 | 1       |
| Dibromofluoromethane | 113       |           | 81 - 121 |          | 12/01/20 17:25 | 1       |
| Toluene-d8 (Surr)    | 98        |           | 80 - 120 |          | 12/01/20 17:25 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 4.2    | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 16:53 | 1       |
| Nitrate Nitrite as N | 4.2    | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 16:53 | 1       |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 16:53 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-13

Lab Sample ID: 400-196065-6

Date Collected: 11/18/20 12:20

Matrix: Water

Date Received: 11/19/20 09:30

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

| Analyte                    | Result         | Qualifier | RL     | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------------|----------------|-----------|--------|---------|------|---|----------|----------------|---------|
| <b>1,1-Dichloroethane</b>  | <b>0.0036</b>  |           | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:20 | 1       |
| 1,1-Dichloroethane         | 0.00050        | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:20 | 1       |
| <b>1,2-Dichlorobenzene</b> | <b>0.00097</b> | <b>J</b>  | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:20 | 1       |
| cis-1,2-Dichloroethene     | 0.00050        | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:20 | 1       |
| Tetrachloroethene          | 0.00058        | U         | 0.0010 | 0.00058 | mg/L |   |          | 12/01/20 10:20 | 1       |
| trans-1,2-Dichloroethene   | 0.00050        | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:20 | 1       |
| <b>Trichloroethene</b>     | <b>0.0023</b>  |           | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 10:20 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 92        |           | 78 - 118 |          | 12/01/20 10:20 | 1       |
| Dibromofluoromethane | 112       |           | 81 - 121 |          | 12/01/20 10:20 | 1       |
| Toluene-d8 (Surr)    | 98        |           | 80 - 120 |          | 12/01/20 10:20 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte                     | Result      | Qualifier   | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-------------|-------------|------|-------|------|---|----------|----------------|---------|
| <b>Nitrate as N</b>         | <b>7.7</b>  | <b>H F1</b> | 0.10 | 0.033 | mg/L |   |          | 11/22/20 01:38 | 1       |
| <b>Nitrate Nitrite as N</b> | <b>7.9</b>  | <b>H F1</b> | 0.10 | 0.033 | mg/L |   |          | 11/22/20 01:38 | 1       |
| <b>Nitrite as N</b>         | <b>0.20</b> | <b>H F1</b> | 0.10 | 0.026 | mg/L |   |          | 11/24/20 17:42 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-14

Lab Sample ID: 400-196065-7

Date Collected: 11/18/20 11:52

Matrix: Water

Date Received: 11/19/20 09:30

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

| Analyte                   | Result        | Qualifier | RL     | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|-----------|--------|---------|------|---|----------|----------------|---------|
| <b>1,1-Dichloroethane</b> | <b>0.0021</b> |           | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:51 | 1       |
| 1,1-Dichloroethene        | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:51 | 1       |
| 1,2-Dichlorobenzene       | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:51 | 1       |
| cis-1,2-Dichloroethene    | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:51 | 1       |
| Tetrachloroethene         | 0.00058       | U         | 0.0010 | 0.00058 | mg/L |   |          | 12/01/20 17:51 | 1       |
| trans-1,2-Dichloroethene  | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:51 | 1       |
| Trichloroethene           | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 17:51 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 93        |           | 78 - 118 |          | 12/01/20 17:51 | 1       |
| Dibromofluoromethane | 114       |           | 81 - 121 |          | 12/01/20 17:51 | 1       |
| Toluene-d8 (Surr)    | 98        |           | 80 - 120 |          | 12/01/20 17:51 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte                     | Result      | Qualifier  | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-------------|------------|------|-------|------|---|----------|----------------|---------|
| <b>Nitrate as N</b>         | <b>8.6</b>  | <b>H</b>   | 0.10 | 0.033 | mg/L |   |          | 11/22/20 03:09 | 1       |
| <b>Nitrate Nitrite as N</b> | <b>8.8</b>  | <b>H</b>   | 0.10 | 0.033 | mg/L |   |          | 11/22/20 03:09 | 1       |
| <b>Nitrite as N</b>         | <b>0.22</b> | <b>H *</b> | 0.10 | 0.026 | mg/L |   |          | 11/22/20 03:09 | 1       |
| <b>Nitrite as N</b>         | <b>0.16</b> | <b>H</b>   | 0.10 | 0.026 | mg/L |   |          | 12/03/20 20:47 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-15

Lab Sample ID: 400-196065-8

Date Collected: 11/18/20 12:31

Matrix: Water

Date Received: 11/19/20 09:30

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

| Analyte                   | Result        | Qualifier | RL     | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|---------------|-----------|--------|---------|------|---|----------|----------------|---------|
| <b>1,1-Dichloroethane</b> | <b>0.0015</b> |           | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:17 | 1       |
| 1,1-Dichloroethene        | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:17 | 1       |
| 1,2-Dichlorobenzene       | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:17 | 1       |
| cis-1,2-Dichloroethene    | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:17 | 1       |
| Tetrachloroethene         | 0.00058       | U         | 0.0010 | 0.00058 | mg/L |   |          | 12/01/20 18:17 | 1       |
| trans-1,2-Dichloroethene  | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:17 | 1       |
| Trichloroethene           | 0.00050       | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:17 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 95        |           | 78 - 118 |          | 12/01/20 18:17 | 1       |
| Dibromofluoromethane | 115       |           | 81 - 121 |          | 12/01/20 18:17 | 1       |
| Toluene-d8 (Surr)    | 97        |           | 80 - 120 |          | 12/01/20 18:17 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte                     | Result      | Qualifier  | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-------------|------------|------|-------|------|---|----------|----------------|---------|
| <b>Nitrate as N</b>         | <b>21</b>   | <b>H E</b> | 0.10 | 0.033 | mg/L |   |          | 11/21/20 16:30 | 1       |
| <b>Nitrate as N</b>         | <b>25</b>   | <b>H</b>   | 0.50 | 0.17  | mg/L |   |          | 11/30/20 16:49 | 5       |
| <b>Nitrate Nitrite as N</b> | <b>21</b>   | <b>H E</b> | 0.10 | 0.033 | mg/L |   |          | 11/21/20 16:30 | 1       |
| <b>Nitrate Nitrite as N</b> | <b>25</b>   | <b>* H</b> | 0.50 | 0.17  | mg/L |   |          | 11/30/20 16:49 | 5       |
| <b>Nitrite as N</b>         | <b>0.16</b> | <b>H</b>   | 0.10 | 0.026 | mg/L |   |          | 11/21/20 16:30 | 1       |



Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-28  
Date Collected: 11/18/20 13:02  
Date Received: 11/19/20 09:30

Lab Sample ID: 400-196065-9  
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 110    | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 18:24 | 1       |
| Nitrate as N         | 130    | H         | 2.0  | 0.66  | mg/L |   |          | 11/30/20 17:35 | 20      |
| Nitrate Nitrite as N | 110    | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 18:24 | 1       |
| Nitrate Nitrite as N | 130    | * H       | 2.0  | 0.66  | mg/L |   |          | 11/30/20 17:35 | 20      |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 18:24 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-29

Lab Sample ID: 400-196065-10

Date Collected: 11/18/20 12:59

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 99     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 18:02 | 1       |
| Nitrate as N         | 100    | H         | 1.0  | 0.33  | mg/L |   |          | 11/24/20 22:15 | 10      |
| Nitrate Nitrite as N | 99     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 18:02 | 1       |
| Nitrate Nitrite as N | 100    | H         | 1.0  | 0.33  | mg/L |   |          | 11/24/20 22:15 | 10      |
| Nitrite as N         | 0.082  | J H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 18:02 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-30

Lab Sample ID: 400-196065-11

Date Collected: 11/18/20 13:06

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 14     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 18:47 | 1       |
| Nitrate as N         | 15     | H         | 0.20 | 0.066 | mg/L |   |          | 11/24/20 22:38 | 2       |
| Nitrate Nitrite as N | 14     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 18:47 | 1       |
| Nitrate Nitrite as N | 15     | H         | 0.20 | 0.066 | mg/L |   |          | 11/24/20 22:38 | 2       |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 18:47 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-71

Lab Sample ID: 400-196065-12

Date Collected: 11/18/20 12:07

Matrix: Water

Date Received: 11/19/20 09:30

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

| Analyte                   | Result         | Qualifier | RL     | MDL     | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------|----------------|-----------|--------|---------|------|---|----------|----------------|---------|
| <b>1,1-Dichloroethane</b> | <b>0.00070</b> | <b>J</b>  | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:43 | 1       |
| 1,1-Dichloroethene        | 0.00050        | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:43 | 1       |
| 1,2-Dichlorobenzene       | 0.00050        | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:43 | 1       |
| cis-1,2-Dichloroethene    | 0.00050        | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:43 | 1       |
| <b>Tetrachloroethene</b>  | <b>0.0011</b>  |           | 0.0010 | 0.00058 | mg/L |   |          | 12/01/20 18:43 | 1       |
| trans-1,2-Dichloroethene  | 0.00050        | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:43 | 1       |
| Trichloroethene           | 0.00050        | U         | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 18:43 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 94        |           | 78 - 118 |          | 12/01/20 18:43 | 1       |
| Dibromofluoromethane | 115       |           | 81 - 121 |          | 12/01/20 18:43 | 1       |
| Toluene-d8 (Surr)    | 97        |           | 80 - 120 |          | 12/01/20 18:43 | 1       |

## Method: 300.0 - Anions, Ion Chromatography

| Analyte                     | Result       | Qualifier    | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|------|-------|------|---|----------|----------------|---------|
| <b>Nitrate as N</b>         | <b>17</b>    | <b>H E</b>   | 0.10 | 0.033 | mg/L |   |          | 11/22/20 02:46 | 1       |
| <b>Nitrate as N</b>         | <b>17</b>    | <b>H</b>     | 0.20 | 0.066 | mg/L |   |          | 11/24/20 23:01 | 2       |
| <b>Nitrate Nitrite as N</b> | <b>17</b>    | <b>H E</b>   | 0.10 | 0.033 | mg/L |   |          | 11/22/20 02:46 | 1       |
| <b>Nitrate Nitrite as N</b> | <b>17</b>    | <b>H</b>     | 0.20 | 0.066 | mg/L |   |          | 11/24/20 23:01 | 2       |
| <b>Nitrite as N</b>         | <b>0.051</b> | <b>J H *</b> | 0.10 | 0.026 | mg/L |   |          | 11/22/20 02:46 | 1       |
| Nitrite as N                | 0.052        | U H          | 0.20 | 0.052 | mg/L |   |          | 11/24/20 23:01 | 2       |



Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-72  
Date Collected: 11/18/20 13:39  
Date Received: 11/19/20 09:30

Lab Sample ID: 400-196065-13  
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 9.6    | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 21:50 | 1       |
| Nitrate Nitrite as N | 9.6    | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 21:50 | 1       |
| Nitrite as N         | 0.027  | J H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 21:50 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-73

Lab Sample ID: 400-196065-14

Date Collected: 11/18/20 13:09

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 22     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 19:33 | 1       |
| Nitrate as N         | 22     | H         | 0.20 | 0.066 | mg/L |   |          | 11/25/20 01:41 | 2       |
| Nitrate Nitrite as N | 22     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 19:33 | 1       |
| Nitrate Nitrite as N | 22     | H         | 0.20 | 0.066 | mg/L |   |          | 11/25/20 01:41 | 2       |
| Nitrite as N         | 0.027  | J H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 19:33 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-74

Lab Sample ID: 400-196065-15

Date Collected: 11/18/20 14:05

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 8.0    | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 22:35 | 1       |
| Nitrate Nitrite as N | 8.0    | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 22:35 | 1       |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 22:35 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-75

Lab Sample ID: 400-196065-16

Date Collected: 11/18/20 12:53

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 65     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 17:39 | 1       |
| Nitrate as N         | 68     | H         | 1.0  | 0.33  | mg/L |   |          | 11/30/20 17:57 | 10      |
| Nitrate Nitrite as N | 65     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 17:39 | 1       |
| Nitrate Nitrite as N | 68     | * H       | 1.0  | 0.33  | mg/L |   |          | 11/30/20 17:57 | 10      |
| Nitrite as N         | 0.089  | J H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 17:39 | 1       |



Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-76  
Date Collected: 11/18/20 14:01  
Date Received: 11/19/20 09:30

Lab Sample ID: 400-196065-17  
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 0.23   | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 22:12 | 1       |
| Nitrate Nitrite as N | 0.23   | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 22:12 | 1       |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 22:12 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-77

Lab Sample ID: 400-196065-18

Date Collected: 11/18/20 13:27

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 58     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 21:04 | 1       |
| Nitrate as N         | 62     | H         | 1.0  | 0.33  | mg/L |   |          | 11/25/20 03:12 | 10      |
| Nitrate Nitrite as N | 58     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 21:04 | 1       |
| Nitrate Nitrite as N | 62     | H         | 1.0  | 0.33  | mg/L |   |          | 11/25/20 03:12 | 10      |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 21:04 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-78

Lab Sample ID: 400-196065-19

Date Collected: 11/18/20 13:15

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 39     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 13:28 | 1       |
| Nitrate as N         | 43     | H         | 1.0  | 0.33  | mg/L |   |          | 11/24/20 23:24 | 10      |
| Nitrate Nitrite as N | 39     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 13:28 | 1       |
| Nitrate Nitrite as N | 43     | H         | 1.0  | 0.33  | mg/L |   |          | 11/24/20 23:24 | 10      |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 13:28 | 1       |



Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-79  
Date Collected: 11/18/20 13:20  
Date Received: 11/19/20 09:30

Lab Sample ID: 400-196065-20  
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 0.66   | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 19:56 | 1       |
| Nitrate Nitrite as N | 0.66   | H         | 0.10 | 0.033 | mg/L |   |          | 11/21/20 19:56 | 1       |
| Nitrite as N         | 0.026  | U H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 19:56 | 1       |

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-80

Lab Sample ID: 400-196065-21

Date Collected: 11/18/20 12:48

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 100    | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 17:16 | 1       |
| Nitrate as N         | 110    | H         | 1.0  | 0.33  | mg/L |   |          | 11/25/20 03:57 | 10      |
| Nitrate Nitrite as N | 100    | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 17:16 | 1       |
| Nitrate Nitrite as N | 110    | H         | 1.0  | 0.33  | mg/L |   |          | 11/25/20 03:57 | 10      |
| Nitrite as N         | 0.095  | J H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 17:16 | 1       |



## Client Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-81

Lab Sample ID: 400-196065-22

Date Collected: 11/18/20 14:10

Matrix: Water

Date Received: 11/19/20 09:30

## Method: 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 40     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 22:58 | 1       |
| Nitrate as N         | 40     | H         | 1.0  | 0.33  | mg/L |   |          | 11/25/20 04:15 | 10      |
| Nitrate Nitrite as N | 40     | H E       | 0.10 | 0.033 | mg/L |   |          | 11/21/20 22:58 | 1       |
| Nitrate Nitrite as N | 40     | H         | 1.0  | 0.33  | mg/L |   |          | 11/25/20 04:15 | 10      |
| Nitrite as N         | 0.088  | J H       | 0.10 | 0.026 | mg/L |   |          | 11/21/20 22:58 | 1       |



## Definitions/Glossary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## 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   |
|-----------|---|
| *         | LCS or LCSD is outside acceptance limits.   |
| ^         | ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.  |
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| E         | Result exceeded calibration range.  |
| F1        | MS and/or MSD recovery exceeds control limits.  |
| H         | Sample was prepped or analyzed beyond the specified holding time  |
| 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.                                 |
|----------------|---|
| α              | 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   |

Eurofins TestAmerica, Pensacola



## Surrogate Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

Matrix: Water

Prep Type: Total/NA

| Lab Sample ID       | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |
|---------------------|------------------------|--|------------------|-----------------|
|                     |                        | BFB<br>(78-118)                                | DBFM<br>(81-121) | TOL<br>(80-120) |
| 400-196065-1        | TB-01                  | 89   | 95               | 96              |
| 400-196065-2        | DUP-01                 | 93   | 113              | 99              |
| 400-196065-5        | MW-12                  | 94   | 113              | 98              |
| 400-196065-6        | MW-13                  | 92   | 112              | 98              |
| 400-196065-6 MS     | MW-13                  | 95   | 110              | 97              |
| 400-196065-6 MSD    | MW-13                  | 96   | 110              | 98              |
| 400-196065-7        | MW-14                  | 93   | 114              | 98              |
| 400-196065-8        | MW-15                  | 95   | 115              | 97              |
| 400-196065-12       | MW-71                  | 94   | 115              | 97              |
| 400-196128-C-21 MS  | Matrix Spike           | 90   | 99               | 98              |
| 400-196128-C-21 MSD | Matrix Spike Duplicate | 89   | 101              | 98              |
| LCS 400-512618/1002 | Lab Control Sample     | 95   | 110              | 97              |
| LCS 400-512817/1003 | Lab Control Sample     | 88   | 100              | 97              |
| MB 400-512618/4     | Method Blank           | 93   | 111              | 99              |
| MB 400-512817/6     | Method Blank           | 90   | 98               | 98              |

## Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)



## QC Association Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## GC/MS VOA

## Analysis Batch: 512618

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 400-196065-2        | DUP-01             | Total/NA  | Water  | 8260B  |            |
| 400-196065-5        | MW-12              | Total/NA  | Water  | 8260B  |            |
| 400-196065-6        | MW-13              | Total/NA  | Water  | 8260B  |            |
| 400-196065-7        | MW-14              | Total/NA  | Water  | 8260B  |            |
| 400-196065-8        | MW-15              | Total/NA  | Water  | 8260B  |            |
| 400-196065-12       | MW-71              | Total/NA  | Water  | 8260B  |            |
| MB 400-512618/4     | Method Blank       | Total/NA  | Water  | 8260B  |            |
| LCS 400-512618/1002 | Lab Control Sample | Total/NA  | Water  | 8260B  |            |
| 400-196065-6 MS     | MW-13              | Total/NA  | Water  | 8260B  |            |
| 400-196065-6 MSD    | MW-13              | Total/NA  | Water  | 8260B  |            |

## Analysis Batch: 512817

| Lab Sample ID       | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|---------------------|--------------------|-----------|--------|--------|------------|
| 400-196065-1        | TB-01              | Total/NA  | Water  | 8260B  |            |
| MB 400-512817/6     | Method Blank       | Total/NA  | Water  | 8260B  |            |
| LCS 400-512817/1003 | Lab Control Sample | Total/NA  | Water  | 8260B  |            |

## HPLC/IC

## Analysis Batch: 511646

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-196065-2        | DUP-01                 | Total/NA  | Water  | 300.0  |            |
| 400-196065-3        | DUP-02                 | Total/NA  | Water  | 300.0  |            |
| 400-196065-4        | MW-8                   | Total/NA  | Water  | 300.0  |            |
| 400-196065-5        | MW-12                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-6        | MW-13                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-7        | MW-14                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-8        | MW-15                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-9        | MW-28                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-10       | MW-29                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-11       | MW-30                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-12       | MW-71                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-13       | MW-72                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-14       | MW-73                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-15       | MW-74                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-16       | MW-75                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-17       | MW-76                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-18       | MW-77                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-19       | MW-78                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-20       | MW-79                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-21       | MW-80                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-22       | MW-81                  | Total/NA  | Water  | 300.0  |            |
| MB 400-511646/103   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| MB 400-511646/4     | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 400-511646/104  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCS 400-511646/6    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 400-511646/115 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| MRL 400-511646/5    | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| 400-196065-6 MS     | MW-13                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-6 MSD    | MW-13                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-19 MS    | MW-78                  | Total/NA  | Water  | 300.0  |            |

Eurofins TestAmerica, Pensacola



## QC Association Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## HPLC/IC (Continued)

## Analysis Batch: 511646 (Continued)

| Lab Sample ID     | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------|-----------|--------|--------|------------|
| 400-196065-19 MSD | MW-78            | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 512004

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 400-196065-22     | MW-81                  | Total/NA  | Water  | 300.0  |            |
| MB 400-512004/4   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 400-512004/6  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 400-512004/7 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 512012

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 400-196065-6      | MW-13                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-10     | MW-29                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-11     | MW-30                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-12     | MW-71                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-14     | MW-73                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-18     | MW-77                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-19     | MW-78                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-21     | MW-80                  | Total/NA  | Water  | 300.0  |            |
| MB 400-512012/4   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 400-512012/6  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 400-512012/7 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| MRL 400-512012/5  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| 400-196065-6 MS   | MW-13                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-6 MSD  | MW-13                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-19 MS  | MW-78                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-19 MSD | MW-78                  | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 512536

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 400-196065-3       | DUP-02                 | Total/NA  | Water  | 300.0  |            |
| 400-196065-8       | MW-15                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-9       | MW-28                  | Total/NA  | Water  | 300.0  |            |
| 400-196065-16      | MW-75                  | Total/NA  | Water  | 300.0  |            |
| MB 400-512536/50   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 400-512536/52  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 400-512536/53 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| MRL 400-512536/51  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 513024

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 400-196065-7      | MW-14                  | Total/NA  | Water  | 300.0  |            |
| MB 400-513024/4   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 400-513024/6  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 400-513024/7 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| MRL 400-513024/5  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |

Eurofins TestAmerica, Pensacola



## QC Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

Lab Sample ID: MB 400-512618/4

Matrix: Water

Analysis Batch: 512618

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 |   |          | 12/01/20 08:40 | 1       |
| 1,1-Dichloroethene       | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 08:40 | 1       |
| 1,2-Dichlorobenzene      | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 08:40 | 1       |
| cis-1,2-Dichloroethene   | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 08:40 | 1       |
| Tetrachloroethene        | 0.00058   | U            | 0.0010 | 0.00058 | mg/L |   |          | 12/01/20 08:40 | 1       |
| trans-1,2-Dichloroethene | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 08:40 | 1       |
| Trichloroethene          | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/01/20 08:40 | 1       |

| Surrogate            | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene | 93           |              | 78 - 118 |          | 12/01/20 08:40 | 1       |
| Dibromofluoromethane | 111          |              | 81 - 121 |          | 12/01/20 08:40 | 1       |
| Toluene-d8 (Surr)    | 99           |              | 80 - 120 |          | 12/01/20 08:40 | 1       |

Lab Sample ID: LCS 400-512618/1002

Matrix: Water

Analysis Batch: 512618

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      | 0.0521     |               | mg/L |   | 104  | 70 - 130     |
| 1,1-Dichloroethene       | 0.0500      | 0.0508     |               | mg/L |   | 102  | 63 - 134     |
| 1,2-Dichlorobenzene      | 0.0500      | 0.0541     |               | mg/L |   | 108  | 67 - 130     |
| cis-1,2-Dichloroethene   | 0.0500      | 0.0510     |               | mg/L |   | 102  | 68 - 130     |
| Tetrachloroethene        | 0.0500      | 0.0522     |               | mg/L |   | 104  | 65 - 130     |
| trans-1,2-Dichloroethene | 0.0500      | 0.0536     |               | mg/L |   | 107  | 70 - 130     |
| Trichloroethene          | 0.0500      | 0.0559     |               | mg/L |   | 112  | 70 - 130     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 95            |               | 78 - 118 |
| Dibromofluoromethane | 110           |               | 81 - 121 |
| Toluene-d8 (Surr)    | 97            |               | 80 - 120 |

Lab Sample ID: 400-196065-6 MS

Matrix: Water

Analysis Batch: 512618

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       | 0.0036        |                  | 0.0500      | 0.0468    |              | mg/L |   | 86   | 61 - 144     |
| 1,1-Dichloroethene       | 0.00050       | U                | 0.0500      | 0.0427    |              | mg/L |   | 85   | 54 - 147     |
| 1,2-Dichlorobenzene      | 0.00097       | J                | 0.0500      | 0.0433    |              | mg/L |   | 85   | 52 - 137     |
| cis-1,2-Dichloroethene   | 0.00050       | U                | 0.0500      | 0.0433    |              | mg/L |   | 87   | 59 - 143     |
| Tetrachloroethene        | 0.00058       | U                | 0.0500      | 0.0418    |              | mg/L |   | 84   | 52 - 133     |
| trans-1,2-Dichloroethene | 0.00050       | U                | 0.0500      | 0.0429    |              | mg/L |   | 86   | 61 - 143     |
| Trichloroethene          | 0.0023        |                  | 0.0500      | 0.0479    |              | mg/L |   | 91   | 64 - 136     |

| Surrogate            | MS %Recovery | MS Qualifier | Limits   |
|----------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene | 95           |              | 78 - 118 |
| Dibromofluoromethane | 110          |              | 81 - 121 |

Eurofins TestAmerica, Pensacola



## QC Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

Lab Sample ID: 400-196065-6 MS

Matrix: Water

Analysis Batch: 512618

Client Sample ID: MW-13

Prep Type: Total/NA

|                   | MS        | MS        |          |
|-------------------|-----------|-----------|----------|
| Surrogate         | %Recovery | Qualifier | Limits   |
| Toluene-d8 (Surr) | 97        |           | 80 - 120 |

Lab Sample ID: 400-196065-6 MSD

Matrix: Water

Analysis Batch: 512618

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       | 0.0036        |                  | 0.0500      | 0.0521     |               | mg/L |   | 97   | 61 - 144     | 11  | 30        |
| 1,1-Dichloroethene       | 0.00050       | U                | 0.0500      | 0.0473     |               | mg/L |   | 95   | 54 - 147     | 10  | 30        |
| 1,2-Dichlorobenzene      | 0.00097       | J                | 0.0500      | 0.0471     |               | mg/L |   | 92   | 52 - 137     | 8   | 30        |
| cis-1,2-Dichloroethene   | 0.00050       | U                | 0.0500      | 0.0484     |               | mg/L |   | 97   | 59 - 143     | 11  | 30        |
| Tetrachloroethene        | 0.00058       | U                | 0.0500      | 0.0468     |               | mg/L |   | 94   | 52 - 133     | 11  | 30        |
| trans-1,2-Dichloroethene | 0.00050       | U                | 0.0500      | 0.0491     |               | mg/L |   | 98   | 61 - 143     | 14  | 30        |
| Trichloroethene          | 0.0023        |                  | 0.0500      | 0.0524     |               | mg/L |   | 100  | 64 - 136     | 9   | 30        |

|                      | MSD       | MSD       |          |
|----------------------|-----------|-----------|----------|
| Surrogate            | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene | 96        |           | 78 - 118 |
| Dibromofluoromethane | 110       |           | 81 - 121 |
| Toluene-d8 (Surr)    | 98        |           | 80 - 120 |

Lab Sample ID: MB 400-512817/6

Matrix: Water

Analysis Batch: 512817

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 |   |          | 12/02/20 12:27 | 1       |
| 1,1-Dichloroethene       | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/02/20 12:27 | 1       |
| 1,2-Dichlorobenzene      | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/02/20 12:27 | 1       |
| cis-1,2-Dichloroethene   | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/02/20 12:27 | 1       |
| Tetrachloroethene        | 0.00058   | U            | 0.0010 | 0.00058 | mg/L |   |          | 12/02/20 12:27 | 1       |
| trans-1,2-Dichloroethene | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/02/20 12:27 | 1       |
| Trichloroethene          | 0.00050   | U            | 0.0010 | 0.00050 | mg/L |   |          | 12/02/20 12:27 | 1       |

|                      | MB        | MB        |          |          |                |         |
|----------------------|-----------|-----------|----------|----------|----------------|---------|
| Surrogate            | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene | 90        |           | 78 - 118 |          | 12/02/20 12:27 | 1       |
| Dibromofluoromethane | 98        |           | 81 - 121 |          | 12/02/20 12:27 | 1       |
| Toluene-d8 (Surr)    | 98        |           | 80 - 120 |          | 12/02/20 12:27 | 1       |

Lab Sample ID: LCS 400-512817/1003

Matrix: Water

Analysis Batch: 512817

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      | 0.0415     |               | mg/L |   | 83   | 70 - 130     |
| 1,1-Dichloroethene     | 0.0500      | 0.0469     |               | mg/L |   | 94   | 63 - 134     |
| 1,2-Dichlorobenzene    | 0.0500      | 0.0496     |               | mg/L |   | 99   | 67 - 130     |
| cis-1,2-Dichloroethene | 0.0500      | 0.0425     |               | mg/L |   | 85   | 68 - 130     |
| Tetrachloroethene      | 0.0500      | 0.0517     |               | mg/L |   | 103  | 65 - 130     |

Eurofins TestAmerica, Pensacola



## QC Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

Lab Sample ID: LCS 400-512817/1003

Matrix: Water

Analysis Batch: 512817

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte                  | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------|-------------|------------|---------------|------|---|------|--------------|
| trans-1,2-Dichloroethene | 0.0500      | 0.0486     |               | mg/L |   | 97   | 70 - 130     |
| Trichloroethene          | 0.0500      | 0.0494     |               | mg/L |   | 99   | 70 - 130     |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 88            |               | 78 - 118 |
| Dibromofluoromethane | 100           |               | 81 - 121 |
| Toluene-d8 (Surr)    | 97            |               | 80 - 120 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-511646/103

Matrix: Water

Analysis Batch: 511646

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         | 0.033     | U            | 0.10 | 0.033 | mg/L |   |          | 11/22/20 00:29 | 1       |
| Nitrate Nitrite as N | 0.033     | U            | 0.10 | 0.033 | mg/L |   |          | 11/22/20 00:29 | 1       |
| Nitrite as N         | 0.026     | U            | 0.10 | 0.026 | mg/L |   |          | 11/22/20 00:29 | 1       |

Lab Sample ID: MB 400-511646/4

Matrix: Water

Analysis Batch: 511646

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         | 0.033     | U            | 0.10 | 0.033 | mg/L |   |          | 11/20/20 15:51 | 1       |
| Nitrate Nitrite as N | 0.033     | U            | 0.10 | 0.033 | mg/L |   |          | 11/20/20 15:51 | 1       |
| Nitrite as N         | 0.026     | U            | 0.10 | 0.026 | mg/L |   |          | 11/20/20 15:51 | 1       |

Lab Sample ID: LCS 400-511646/104

Matrix: Water

Analysis Batch: 511646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|------|--------------|
| Nitrate as N         | 2.26        | 2.15       |               | mg/L |   | 95   | 90 - 110     |
| Nitrate Nitrite as N | 5.30        | 5.78       |               | mg/L |   | 109  | 90 - 110     |
| Nitrite as N         | 3.04        | 3.63       | *             | mg/L |   | 119  | 90 - 110     |

Lab Sample ID: LCS 400-511646/6

Matrix: Water

Analysis Batch: 511646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|------|--------------|
| Nitrate as N         | 2.26        | 2.11       |               | mg/L |   | 93   | 90 - 110     |
| Nitrate Nitrite as N | 5.30        | 5.42       |               | mg/L |   | 102  | 90 - 110     |
| Nitrite as N         | 3.04        | 3.31       |               | mg/L |   | 109  | 90 - 110     |

Eurofins TestAmerica, Pensacola



## QC Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

Lab Sample ID: LCSD 400-511646/115

Matrix: Water

Analysis Batch: 511646

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

|                      | Spike | LCSD   | LCSD      |      |   | %Rec. |          | RPD |
|----------------------|-------|--------|-----------|------|---|-------|----------|-----|
| Analyte              | Added | Result | Qualifier | Unit | D | %Rec  | Limits   | RPD |
| Nitrate as N         | 2.26  | 2.11   |           | mg/L |   | 93    | 90 - 110 | 2   |
| Nitrate Nitrite as N | 5.30  | 5.38   |           | mg/L |   | 102   | 90 - 110 | 7   |
| Nitrite as N         | 3.04  | 3.27   |           | mg/L |   | 108   | 90 - 110 | 11  |

Lab Sample ID: MRL 400-511646/5

Matrix: Water

Analysis Batch: 511646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | MRL<br>Result | MRL<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |  |
|----------------------|----------------|---------------|------------------|------|---|------|-----------------|--|
|                      |                |               |                  |      |   |      |                 |  |
| Nitrate as N         | 0.226          | 0.168         |                  | mg/L |   | 74   | 50 - 150        |  |
| Nitrate Nitrite as N | 0.530          | 0.285         |                  | mg/L |   | 54   | 50 - 150        |  |
| Nitrite as N         | 0.304          | 0.117         | ^                | mg/L |   | 38   | 50 - 150        |  |

Lab Sample ID: 400-196065-6 MS

Matrix: Water

Analysis Batch: 511646

Client Sample ID: MW-13

Prep Type: Total/NA

| Analyte              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |  |
|----------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|--|
|                      |                  |                     |                |              |                 |      |   |      |                 |  |
| Nitrate as N         | 7.7              | H F1                | 2.26           | 8.82         | H F1            | mg/L |   | 51   | 80 - 120        |  |
| Nitrate Nitrite as N | 7.9              | H F1                | 5.30           | 10.7         | H F1            | mg/L |   | 53   | 80 - 120        |  |

Lab Sample ID: 400-196065-6 MSD

Matrix: Water

Analysis Batch: 511646

Client Sample ID: MW-13

Prep Type: Total/NA

|                      | Sample | Sample    | Spike | MSD    | MSD       |      |   |      | %Rec.    |     | RPD   |
|----------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-------|
| Analyte              | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits   | RPD | Limit |
| Nitrate as N         | 7.7    | H F1      | 2.26  | 9.16   | H F1      | mg/L |   | 66   | 80 - 120 | 4   | 20    |
| Nitrate Nitrite as N | 7.9    | H F1      | 5.30  | 11.5   | H F1      | mg/L |   | 68   | 80 - 120 | 7   | 20    |

Lab Sample ID: 400-196065-19 MS

Matrix: Water

Analysis Batch: 511646

Client Sample ID: MW-78

Prep Type: Total/NA

| Analyte              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |  |
|----------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|-----------------|--|
|                      |                  |                     |                |              |                 |      |   |      |                 |  |
| Nitrate as N         | 39               | H E                 | 2.26           | 40.5         | H E 4           | mg/L |   | 61   | 80 - 120        |  |
| Nitrate Nitrite as N | 39               | H E                 | 5.30           | 43.7         | H E 4           | mg/L |   | 88   | 80 - 120        |  |
| Nitrite as N         | 0.026            | U H                 | 3.04           | 3.18         | H               | mg/L |   | 105  | 80 - 120        |  |

Lab Sample ID: 400-196065-19 MSD

Matrix: Water

Analysis Batch: 511646

Client Sample ID: MW-78

Prep Type: Total/NA

| Analyte              | Sample | Sample    | Spike | MSD    | MSD       | Unit | D | %Rec | %Rec.    | RPD | RPD |
|----------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|-----|-----|
|                      | Result | Qualifier | Added | Result | Qualifier |      |   |      | Limits   |     |     |
| Nitrate as N         | 39     | H E       | 2.26  | 40.4   | H E 4     | mg/L |   | 61   | 80 - 120 | 0   | 20  |
| Nitrate Nitrite as N | 39     | H E       | 5.30  | 43.5   | H E 4     | mg/L |   | 85   | 80 - 120 | 0   | 20  |
| Nitrite as N         | 0.026  | U H       | 3.04  | 3.10   | H         | mg/L |   | 102  | 80 - 120 | 3   | 20  |

Eurofins TestAmerica, Pensacola



## QC Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

Lab Sample ID: MB 400-512004/4

Matrix: Water

Analysis Batch: 512004

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 0.033        | U               | 0.10 | 0.033 | mg/L |   |          | 11/24/20 17:14 | 1       |
| Nitrate Nitrite as N | 0.033        | U               | 0.10 | 0.033 | mg/L |   |          | 11/24/20 17:14 | 1       |
| Nitrite as N         | 0.026        | U               | 0.10 | 0.026 | mg/L |   |          | 11/24/20 17:14 | 1       |

Lab Sample ID: LCS 400-512004/6

Matrix: Water

Analysis Batch: 512004

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|-----------------|
| Nitrate as N         | 2.26           | 2.07          |                  | mg/L |   | 92   | 90 - 110        |
| Nitrate Nitrite as N | 5.30           | 4.97          |                  | mg/L |   | 94   | 90 - 110        |
| Nitrite as N         | 3.04           | 2.90          |                  | mg/L |   | 95   | 90 - 110        |

Lab Sample ID: LCSD 400-512004/7

Matrix: Water

Analysis Batch: 512004

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| Nitrate as N         | 2.26           | 2.17           |                   | mg/L |   | 96   | 90 - 110        | 5   | 15           |
| Nitrate Nitrite as N | 5.30           | 5.14           |                   | mg/L |   | 97   | 90 - 110        | 3   | 15           |
| Nitrite as N         | 3.04           | 2.97           |                   | mg/L |   | 98   | 90 - 110        | 2   | 15           |

Lab Sample ID: MB 400-512012/4

Matrix: Water

Analysis Batch: 512012

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL   | MDL   | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|------|-------|------|---|----------|----------------|---------|
| Nitrate as N         | 0.033        | U               | 0.10 | 0.033 | mg/L |   |          | 11/24/20 16:11 | 1       |
| Nitrate Nitrite as N | 0.033        | U               | 0.10 | 0.033 | mg/L |   |          | 11/24/20 16:11 | 1       |
| Nitrite as N         | 0.026        | U               | 0.10 | 0.026 | mg/L |   |          | 11/24/20 16:11 | 1       |

Lab Sample ID: LCS 400-512012/6

Matrix: Water

Analysis Batch: 512012

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|-----------------|
| Nitrate as N         | 2.26           | 2.39          |                  | mg/L |   | 106  | 90 - 110        |
| Nitrate Nitrite as N | 5.30           | 5.73          |                  | mg/L |   | 108  | 90 - 110        |
| Nitrite as N         | 3.04           | 3.34          |                  | mg/L |   | 110  | 90 - 110        |

Lab Sample ID: LCSD 400-512012/7

Matrix: Water

Analysis Batch: 512012

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec.<br>Limits | RPD | RPD<br>Limit |
|----------------------|----------------|----------------|-------------------|------|---|------|-----------------|-----|--------------|
| Nitrate as N         | 2.26           | 2.33           |                   | mg/L |   | 103  | 90 - 110        | 2   | 15           |
| Nitrate Nitrite as N | 5.30           | 5.62           |                   | mg/L |   | 106  | 90 - 110        | 2   | 15           |
| Nitrite as N         | 3.04           | 3.29           |                   | mg/L |   | 108  | 90 - 110        | 1   | 15           |

Eurofins TestAmerica, Pensacola



## QC Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

Lab Sample ID: MRL 400-512012/5

Matrix: Water

Analysis Batch: 512012

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|------|--------------|
| Nitrate as N         | 0.226       | 0.188      |               | mg/L |   | 83   | 50 - 150     |
| Nitrate Nitrite as N | 0.530       | 0.471      |               | mg/L |   | 89   | 50 - 150     |
| Nitrite as N         | 0.304       | 0.283      |               | mg/L |   | 93   | 50 - 150     |

Lab Sample ID: 400-196065-6 MS

Matrix: Water

Analysis Batch: 512012

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 |
|--------------|---------------|------------------|-------------|-----------|--------------|------|---|------|--------------|
| Nitrite as N | 0.20          | H F1             | 3.04        | 3.57      | H            | mg/L |   | 111  | 80 - 120     |

Lab Sample ID: 400-196065-6 MSD

Matrix: Water

Analysis Batch: 512012

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 |
|--------------|---------------|------------------|-------------|------------|---------------|------|---|------|--------------|-----|-----------|
| Nitrite as N | 0.20          | H F1             | 3.04        | 3.97       | H F1          | mg/L |   | 124  | 80 - 120     | 11  | 20        |

Lab Sample ID: 400-196065-19 MS

Matrix: Water

Analysis Batch: 512012

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         | 43            | H                | 22.6        | 68.6      | H            | mg/L |   | 114  | 80 - 120     |
| Nitrate Nitrite as N | 43            | H                | 53.0        | 102       | H            | mg/L |   | 112  | 80 - 120     |

Lab Sample ID: 400-196065-19 MSD

Matrix: Water

Analysis Batch: 512012

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         | 43            | H                | 22.6        | 69.4       | H             | mg/L |   | 117  | 80 - 120     | 1   | 20        |
| Nitrate Nitrite as N | 43            | H                | 53.0        | 104        | H             | mg/L |   | 115  | 80 - 120     | 1   | 20        |

Lab Sample ID: MB 400-512536/50

Matrix: Water

Analysis Batch: 512536

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         | 0.033     | U            | 0.10 | 0.033 | mg/L |   |          | 11/30/20 04:45 | 1       |
| Nitrate Nitrite as N | 0.033     | U            | 0.10 | 0.033 | mg/L |   |          | 11/30/20 04:45 | 1       |
| Nitrite as N         | 0.026     | U            | 0.10 | 0.026 | mg/L |   |          | 11/30/20 04:45 | 1       |

Lab Sample ID: LCS 400-512536/52

Matrix: Water

Analysis Batch: 512536

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        | 2.48       |               | mg/L |   | 110  | 90 - 110     |
| Nitrate Nitrite as N | 5.30        | 5.98       | *             | mg/L |   | 113  | 90 - 110     |

Eurofins TestAmerica, Pensacola



## QC Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

Lab Sample ID: LCS 400-512536/52

Matrix: Water

Analysis Batch: 512536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte      | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------|-------------|------------|---------------|------|---|------|--------------|
| Nitrite as N | 3.04        | 3.50       | *             | mg/L |   | 115  | 90 - 110     |

Lab Sample ID: LCSD 400-512536/53

Matrix: Water

Analysis Batch: 512536

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        | 2.46        |                | mg/L |   | 109  | 90 - 110     | 1   | 15        |
| Nitrate Nitrite as N | 5.30        | 5.90        | *              | mg/L |   | 111  | 90 - 110     | 1   | 15        |
| Nitrite as N         | 3.04        | 3.44        | *              | mg/L |   | 113  | 90 - 110     | 2   | 15        |

Lab Sample ID: MRL 400-512536/51

Matrix: Water

Analysis Batch: 512536

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike Added | MRL Result | MRL Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------------------|-------------|------------|---------------|------|---|------|--------------|
| Nitrate as N         | 0.226       | 0.210      |               | mg/L |   | 93   | 50 - 150     |
| Nitrate Nitrite as N | 0.530       | 0.530      |               | mg/L |   | 100  | 50 - 150     |
| Nitrite as N         | 0.304       | 0.320      |               | mg/L |   | 105  | 50 - 150     |

Lab Sample ID: MB 400-513024/4

Matrix: Water

Analysis Batch: 513024

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         | 0.033     | U            | 0.10 | 0.033 | mg/L |   |          | 12/03/20 13:56 | 1       |
| Nitrate Nitrite as N | 0.033     | U            | 0.10 | 0.033 | mg/L |   |          | 12/03/20 13:56 | 1       |
| Nitrite as N         | 0.026     | U            | 0.10 | 0.026 | mg/L |   |          | 12/03/20 13:56 | 1       |

Lab Sample ID: LCS 400-513024/6

Matrix: Water

Analysis Batch: 513024

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        | 2.20       |               | mg/L |   | 98   | 90 - 110     |
| Nitrate Nitrite as N | 5.30        | 5.36       |               | mg/L |   | 101  | 90 - 110     |
| Nitrite as N         | 3.04        | 3.16       |               | mg/L |   | 104  | 90 - 110     |

Lab Sample ID: LCSD 400-513024/7

Matrix: Water

Analysis Batch: 513024

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        | 2.22        |                | mg/L |   | 98   | 90 - 110     | 1   | 15        |
| Nitrate Nitrite as N | 5.30        | 5.35        |                | mg/L |   | 101  | 90 - 110     | 0   | 15        |
| Nitrite as N         | 3.04        | 3.13        |                | mg/L |   | 103  | 90 - 110     | 1   | 15        |

Eurofins TestAmerica, Pensacola



QC Sample Results

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

|                                 |             |            |               |                                      |   |      |              |
|---------------------------------|-------------|------------|---------------|--------------------------------------|---|------|--------------|
| Lab Sample ID: MRL 400-513024/5 |             |            |               | Client Sample ID: Lab Control Sample |   |      |              |
| Matrix: Water                   |             |            |               | Prep Type: Total/NA                  |   |      |              |
| Analysis Batch: 513024          |             |            |               |                                      |   |      |              |
| Analyte                         | Spike Added | MRL Result | MRL Qualifier | Unit                                 | D | %Rec | %Rec. Limits |
| Nitrate as N                    | 0.226       | 0.204      |               | mg/L                                 |   | 90   | 50 - 150     |
| Nitrate Nitrite as N            | 0.530       | 0.476      |               | mg/L                                 |   | 90   | 50 - 150     |
| Nitrite as N                    | 0.304       | 0.272      |               | mg/L                                 |   | 89   | 50 - 150     |



## Lab Chronicle

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: TB-01

Date Collected: 11/18/20 11:00

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-1

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 512817       | 12/02/20 17:29       | SAB     | TAL PEN |

## Client Sample ID: DUP-01

Date Collected: 11/18/20 12:22

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-2

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         | 512618       | 12/01/20 10:47       | WPD     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/21/20 15:22       | TAJ     | TAL PEN |

## Client Sample ID: DUP-02

Date Collected: 11/18/20 13:32

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-3

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/21/20 21:27       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 20         |                |              | 512536       | 11/30/20 15:40       | TAJ     | TAL PEN |

## Client Sample ID: MW-8

Date Collected: 11/18/20 14:15

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-4

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        |     | 1          |                |              | 511646       | 11/21/20 23:21       | TAJ     | TAL PEN |

## Client Sample ID: MW-12

Date Collected: 11/18/20 12:40

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-5

Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8260B        |     | 1          | 5 mL           | 5 mL         | 512618       | 12/01/20 17:25       | WPD     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/21/20 16:53       | TAJ     | TAL PEN |

## Client Sample ID: MW-13

Date Collected: 11/18/20 12:20

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-6

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         | 512618       | 12/01/20 10:20       | WPD     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/22/20 01:38       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 512012       | 11/24/20 17:42       | CAC     | TAL PEN |

Eurofins TestAmerica, Pensacola



## Lab Chronicle

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: MW-14

Date Collected: 11/18/20 11:52

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-7

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         | 512618       | 12/01/20 17:51       | WPD     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/22/20 03:09       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 513024       | 12/03/20 20:47       | TAJ     | TAL PEN |

## Client Sample ID: MW-15

Date Collected: 11/18/20 12:31

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-8

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         | 512618       | 12/01/20 18:17       | WPD     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/21/20 16:30       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 5          |                |              | 512536       | 11/30/20 16:49       | TAJ     | TAL PEN |

## Client Sample ID: MW-28

Date Collected: 11/18/20 13:02

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-9

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   | 300.0        |     | 1          |                |              | 511646       | 11/21/20 18:24       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 20         |                |              | 512536       | 11/30/20 17:35       | TAJ     | TAL PEN |

## Client Sample ID: MW-29

Date Collected: 11/18/20 12:59

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-10

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        |     | 1          |                |              | 511646       | 11/21/20 18:02       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 10         |                |              | 512012       | 11/24/20 22:15       | CAC     | TAL PEN |

## Client Sample ID: MW-30

Date Collected: 11/18/20 13:06

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-11

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        |     | 1          |                |              | 511646       | 11/21/20 18:47       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 2          |                |              | 512012       | 11/24/20 22:38       | CAC     | TAL PEN |

## Client Sample ID: MW-71

Date Collected: 11/18/20 12:07

Date Received: 11/19/20 09:30

## Lab Sample ID: 400-196065-12

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   | 8260B        |     | 1          | 5 mL           | 5 mL         | 512618       | 12/01/20 18:43       | WPD     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/22/20 02:46       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 2          |                |              | 512012       | 11/24/20 23:01       | CAC     | TAL PEN |

Eurofins TestAmerica, Pensacola



## Lab Chronicle

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-72

Lab Sample ID: 400-196065-13

Date Collected: 11/18/20 13:39

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 21:50       | TAJ     | TAL PEN |

Client Sample ID: MW-73

Lab Sample ID: 400-196065-14

Date Collected: 11/18/20 13:09

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 19:33       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 2          |                |              | 512012       | 11/25/20 01:41       | CAC     | TAL PEN |

Client Sample ID: MW-74

Lab Sample ID: 400-196065-15

Date Collected: 11/18/20 14:05

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 22:35       | TAJ     | TAL PEN |

Client Sample ID: MW-75

Lab Sample ID: 400-196065-16

Date Collected: 11/18/20 12:53

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 17:39       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 10         |                |              | 512536       | 11/30/20 17:57       | TAJ     | TAL PEN |

Client Sample ID: MW-76

Lab Sample ID: 400-196065-17

Date Collected: 11/18/20 14:01

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 22:12       | TAJ     | TAL PEN |

Client Sample ID: MW-77

Lab Sample ID: 400-196065-18

Date Collected: 11/18/20 13:27

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 21:04       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 10         |                |              | 512012       | 11/25/20 03:12       | CAC     | TAL PEN |

Client Sample ID: MW-78

Lab Sample ID: 400-196065-19

Date Collected: 11/18/20 13:15

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 13:28       | TAJ     | TAL PEN |

Eurofins TestAmerica, Pensacola



## Lab Chronicle

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: MW-78

Lab Sample ID: 400-196065-19

Date Collected: 11/18/20 13:15

Matrix: Water

Date Received: 11/19/20 09:30

| 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         |                |              | 512012       | 11/24/20 23:24       | CAC     | TAL PEN |

Client Sample ID: MW-79

Lab Sample ID: 400-196065-20

Date Collected: 11/18/20 13:20

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 19:56       | TAJ     | TAL PEN |

Client Sample ID: MW-80

Lab Sample ID: 400-196065-21

Date Collected: 11/18/20 12:48

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 17:16       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 10         |                |              | 512012       | 11/25/20 03:57       | CAC     | TAL PEN |

Client Sample ID: MW-81

Lab Sample ID: 400-196065-22

Date Collected: 11/18/20 14:10

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 22:58       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 10         |                |              | 512004       | 11/25/20 04:15       | CAC     | TAL PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-511646/103

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          |                |              | 511646       | 11/22/20 00:29       | TAJ     | TAL PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-511646/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/20/20 15:51       | TAJ     | TAL PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-512004/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 512004       | 11/24/20 17:14       | CAC     | TAL PEN |

Eurofins TestAmerica, Pensacola



## Lab Chronicle

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-512012/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 512012       | 11/24/20 16:11       | CAC     | TAL PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-512536/50

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          | 1.0 mL       | 512536       | 11/30/20 04:45       | TAJ     | TAL PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-512618/4

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         | 512618       | 12/01/20 08:40       | WPD     | TAL PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-512817/6

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   | 8260B        |     | 1          | 5 mL           | 5 mL         | 512817       | 12/02/20 12:27       | SAB     | TAL PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-513024/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 513024       | 12/03/20 13:56       | TAJ     | TAL PEN |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-511646/104

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          |                |              | 511646       | 11/22/20 00:52       | TAJ     | TAL PEN |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-511646/6

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          |                |              | 511646       | 11/20/20 16:25       | TAJ     | TAL PEN |

Eurofins TestAmerica, Pensacola



## Lab Chronicle

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-512004/6

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          |                |              | 512004       | 11/24/20 17:36       | CAC     | TAL PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-512012/6

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          |                |              | 512012       | 11/24/20 16:56       | CAC     | TAL PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-512536/52

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          |                |              | 512536       | 11/30/20 05:30       | TAJ     | TAL PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-512618/1002

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         | 512618       | 12/01/20 07:45       | WPD     | TAL PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-512817/1003

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         | 512817       | 12/02/20 11:21       | SAB     | TAL PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-513024/6

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          |                |              | 513024       | 12/03/20 14:42       | TAJ     | TAL PEN |

## Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-511646/115

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          |                |              | 511646       | 11/20/20 16:48       | TAJ     | TAL PEN |

Eurofins TestAmerica, Pensacola



## Lab Chronicle

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-512004/7

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 512004       | 11/24/20 17:59       | CAC     | TAL PEN |

## Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-512012/7

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 512012       | 11/24/20 17:19       | CAC     | TAL PEN |

## Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-512536/53

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          |                |              | 512536       | 11/30/20 05:53       | TAJ     | TAL PEN |

## Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-513024/7

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 513024       | 12/03/20 15:05       | TAJ     | TAL PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-511646/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/20/20 16:02       | TAJ     | TAL PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-512012/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 512012       | 11/24/20 16:34       | CAC     | TAL PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-512536/51

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          | 1.0 mL       | 512536       | 11/30/20 05:08       | TAJ     | TAL PEN |

Eurofins TestAmerica, Pensacola



## Lab Chronicle

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

## Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-513024/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 513024       | 12/03/20 14:19       | TAJ     | TAL PEN |

## Client Sample ID: MW-13

Lab Sample ID: 400-196065-6 MS

Date Collected: 11/18/20 12:20

Matrix: Water

Date Received: 11/19/20 09:30

| 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         | 512618       | 12/01/20 12:27       | WPD     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/22/20 02:01       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 512012       | 11/24/20 18:05       | CAC     | TAL PEN |

## Client Sample ID: MW-13

Lab Sample ID: 400-196065-6 MSD

Date Collected: 11/18/20 12:20

Matrix: Water

Date Received: 11/19/20 09:30

| 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         | 512618       | 12/01/20 12:51       | WPD     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 511646       | 11/22/20 02:23       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 1          |                |              | 512012       | 11/24/20 18:28       | CAC     | TAL PEN |

## Client Sample ID: MW-78

Lab Sample ID: 400-196065-19 MS

Date Collected: 11/18/20 13:15

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 13:50       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 10         |                |              | 512012       | 11/24/20 23:47       | CAC     | TAL PEN |

## Client Sample ID: MW-78

Lab Sample ID: 400-196065-19 MSD

Date Collected: 11/18/20 13:15

Matrix: Water

Date Received: 11/19/20 09:30

| 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          |                |              | 511646       | 11/21/20 14:13       | TAJ     | TAL PEN |
| Total/NA  | Analysis   | 300.0        |     | 10         |                |              | 512012       | 11/25/20 00:09       | CAC     | TAL PEN |

## Laboratory References:

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

Eurofins TestAmerica, Pensacola



## Method Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

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

### Protocol References:

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

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

### Laboratory References:

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



## Accreditation/Certification Summary

Client: Stantec Consulting Services Inc  
Project/Site: Blanco Gas Plant South

Job ID: 400-196065-1

### Laboratory: Eurofins TestAmerica, Pensacola

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

| Authority              | Program             | Identification Number | Expiration Date |
|------------------------|---------------------|-----------------------|-----------------|
| Alabama                | State               | 40150                 | 06-30-21        |
| ANAB                   | ISO/IEC 17025       | L2471                 | 02-23-23        |
| Arizona                | State               | AZ0710                | 01-13-21        |
| Arkansas DEQ           | State               | 88-0689               | 09-02-21        |
| California             | State               | 2510                  | 06-30-21        |
| Florida                | NELAP               | E81010                | 06-30-21        |
| Georgia                | State               | E81010(FL)            | 06-30-21        |
| Illinois               | NELAP               | 200041                | 10-09-21        |
| Iowa                   | State               | 367                   | 08-01-22        |
| Kansas                 | NELAP               | E-10253               | 10-31-21        |
| Kentucky (UST)         | State               | 53                    | 06-30-21        |
| Kentucky (WW)          | State               | KY98030               | 12-31-20        |
| Louisiana              | NELAP               | 30976                 | 06-30-21        |
| Louisiana (DW)         | State               | LA017                 | 12-31-20        |
| Maryland               | State               | 233                   | 09-30-21        |
| Massachusetts          | State               | M-FL094               | 06-30-21        |
| Michigan               | State               | 9912                  | 06-30-21        |
| Minnesota              | NELAP               | 012-999-481           | 12-31-20        |
| New Jersey             | NELAP               | FL006                 | 06-30-21        |
| New York               | NELAP               | 12115                 | 04-01-21        |
| North Carolina (WW/SW) | State               | 314                   | 12-31-20        |
| Oklahoma               | State               | 9810-186              | 08-31-21        |
| Pennsylvania           | NELAP               | 68-00467              | 01-31-21        |
| Rhode Island           | State               | LAO00307              | 12-30-20        |
| South Carolina         | State               | 96026002              | 06-30-21        |
| Tennessee              | State               | TN02907               | 06-30-21        |
| Texas                  | NELAP               | T104704286            | 09-30-21        |
| US Fish & Wildlife     | US Federal Programs | 058448                | 07-31-21        |
| USDA                   | US Federal Programs | P330-18-00148         | 05-17-21        |
| Virginia               | NELAP               | 460166                | 06-14-21        |
| Washington             | State               | C915                  | 05-15-21        |
| West Virginia DEP      | State               | 136                   | 12-31-20        |

Eurofins TestAmerica, Pensacola



# Chain of Custody Record

**TestAmerica Des Moines SC**  
 214

|   |  |                            |  |   |                         |                                  |
|---|--|----------------------------|--|---|-------------------------|----------------------------------|
| <b>Client Information</b>                           |  | Sampler: <u>SKC</u>        |  | Lab PM: <u>Edwards, Marty P</u>             | Carrier Tracking No(s): | COC No: <u>400-97400-35242.1</u> |
| Client Contact: <u>Steve Varsa</u>                  |  | Phone: <u>913 980 0281</u> |  | E-Mail: <u>Marty Edwards@Eurofinset.com</u> |                         | Page: <u>1</u> of <u>2</u> SKC   |
| Company: <u>Stantec Consulting Services Inc</u>     |  |                            |  |   |                         | Job #:                           |
| Address: <u>11153 Aurora Avenue</u>                 |  |                            |  |   |                         |                                  |
| City: <u>Des Moines</u>                             |  |                            |  |   |                         |                                  |
| State, Zip: <u>IA, 50322-7904</u>                   |  |                            |  |   |                         |                                  |
| Phone: <u></u>                                      |  |                            |  |   |                         |                                  |
| Email: <u>steve.varsa@stantec.com</u>               |  |                            |  |   |                         |                                  |
| Project Name: <u>CMI Kinder Morgan Blanco South</u> |  |                            |  |   |                         |                                  |
| Site: <u>Blanco South</u>                           |  |                            |  |   |                         |                                  |
| <u>W-ERH-STW-SAH 01</u>                             |  |                            |  |   |                         |                                  |
| <u>10-29-2020</u>                                   |  |                            |  |   |                         |                                  |

| Sample Identification | Sample Date | Sample Time | Sample Type (C=Comp, G=grab) | Matrix (W=water, S=solid, O=other) | Field Filtered Sample (Yes or No) | Perform MS/MSD (Yes or No) | 300, ORG/MS - Nitrate & Nitrite | 826B - Blanco South Fire Pit Analytes 8260 | Analysis Requested | Preservation Codes:  | Total Number of Containers | Special Instructions/Note: |
|-----------------------|-------------|-------------|------------------------------|------------------------------------|-----------------------------------|----------------------------|---------------------------------|--|--------------------|--|----------------------------|----------------------------|
| TB-01                 | 11/18/2020  | 1100        | G                            | Water                              |                                   |                            |                                 |  |                    | A - HCL<br>B - NaOH<br>C - Zn Acetate<br>D - Nitric Acid<br>E - NaHSO4<br>F - MeOH<br>G - Amchlor<br>H - Ascorbic Acid<br>I - Ice<br>J - DI Water<br>K - EDTA<br>L - EDA<br>Other: | 2                          | Trip Blank                 |
| DUP-01                | 11/18/2020  | 1222        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 4                          | Blind Dup                  |
| DUP-02                | 11/18/2020  | 1332        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 1                          | Blind Dup                  |
| MW-8                  | 11/18/2020  | 1415        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 1                          |                            |
| MW-12                 | 11/18/2020  | 1240        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 4                          |                            |
| MW-13                 | 11/18/2020  | 1220        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 8                          |                            |
| MW-14                 | 11/18/2020  | 1152        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 4                          |                            |
| MW-15                 | 11/18/2020  | 1231        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 4                          |                            |
| MW-28                 | 11/18/2020  | 1302        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 1                          |                            |
| MW-29                 | 11/18/2020  | 1259        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 1                          |                            |
| MW-30                 | 11/18/2020  | 1306        | G                            | Water                              |                                   |                            |                                 |  |                    |  | 1                          |                            |

|   |                                   |  |          |
|---|-----------------------------------|--|----------|
| Possible Hazard Identification<br><input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant<br>Deliverable Requested: I, II, III, IV, Other (specify) |                                   | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months |          |
| Empty Kit Relinquished by   |                                   | Method of Shipment   |          |
| Relinquished by: <u>Steve Varsa</u>   | Date/Time: <u>11/18/2020 1530</u> | Received by:   | Company: |
| Relinquished by:  | Date/Time:                        | Received by:   | Company: |
| Relinquished by:  | Date/Time:                        | Received by:   | Company: |
| Custody Seal Intact:<br><input type="checkbox"/> Yes <input type="checkbox"/> No  | Custody Seal No.:                 | Cooler Temperature(s) °C and Other Remarks:  | Company: |



# Chain of Custody Record

**TestAmerica Des Moines SC**  
 214

|  |  |   |                                      |                          |                         |                           |
|--|--|---|--------------------------------------|--------------------------|-------------------------|---------------------------|
| <b>Client Information</b>  |  | Sampler: <i>Knox</i>  |                                      | Lab PM: Edwards, Marty P | Carrier Tracking No(s): | COC No: 400-97400-35242.1 |
| Client Contact: Steve Varsa  |  | Phone:  | E-Mail: Marty.EDWARDS@Eurofinset.com |                          |                         | Page: 2 of 2 <i>80e</i>   |
| Company: Stantec Consulting Services Inc   |  | Job #:  |                                      |                          |                         |                           |
| Address: 11153 Aurora Avenue   |  | Analysis Requested  |                                      |                          |                         |                           |
| City: Des Moines   |  | Preservation Codes:   |                                      |                          |                         |                           |
| State, Zip: IA, 50322-7904   |  | A - HCL M - Hexane<br>B - NaOH N - None<br>C - Zn Acetate O - AsNaO2<br>D - Nitric Acid P - Na2O4S<br>E - NaHSO4 Q - Na2SO3<br>F - MeOH R - Na2S2O3<br>G - Amchlor S - H2SO4<br>H - Ascorbic Acid T - TSP Dodecahydrate<br>I - Ice U - Acetone<br>J - DI Water V - MCAA<br>K - EDTA W - pH 4-5<br>L - EDA Z - other (specify)<br>Other: |                                      |                          |                         |                           |
| Due Date Requested:  |  | Total Number of Containers  |                                      |                          |                         |                           |
| TAT Requested (days):  |  | Special Instructions/Note:  |                                      |                          |                         |                           |
| PO #:  |  |   |                                      |                          |                         |                           |
| See Project Notes  |  |   |                                      |                          |                         |                           |
| WO #:  |  |   |                                      |                          |                         |                           |
| Project #:   |  |   |                                      |                          |                         |                           |
| 40012762   |  |   |                                      |                          |                         |                           |
| SSOW#:   |  |   |                                      |                          |                         |                           |
| Site:  |  |   |                                      |                          |                         |                           |
| CMI Kinder Morgan Blanco South   |  |   |                                      |                          |                         |                           |
| Email: steve.varsa@stantec.com   |  |   |                                      |                          |                         |                           |
| Field Filtered Sample (Yes or No)  |  |   |                                      |                          |                         |                           |
| Perform M5/MSD (Yes or No)   |  |   |                                      |                          |                         |                           |
| 826B - Blanco South Fire Pit Analytes 8260   |  |   |                                      |                          |                         |                           |
| 300 - ORGAMS - Nitrate & Nitrite   |  |   |                                      |                          |                         |                           |
| Matrix (W=water, S=solid, O=water)   |  |   |                                      |                          |                         |                           |
| Sample Type (C=Comp, G=grab)   |  |   |                                      |                          |                         |                           |
| Sample Time  |  |   |                                      |                          |                         |                           |
| Sample Date  |  |   |                                      |                          |                         |                           |
| Sample Identification  |  |   |                                      |                          |                         |                           |
| MW - 71  |  | 11/18/2020 1207   |                                      |                          |                         |                           |
| MW - 72  |  | 11/18/2020 1339   |                                      |                          |                         |                           |
| MW - 73  |  | 11/18/2020 1309   |                                      |                          |                         |                           |
| MW - 74  |  | 11/18/2020 1405   |                                      |                          |                         |                           |
| MW - 75  |  | 11/18/2020 1253   |                                      |                          |                         |                           |
| MW - 76  |  | 11/18/2020 1401   |                                      |                          |                         |                           |
| MW - 77  |  | 11/18/2020 1327   |                                      |                          |                         |                           |
| MW - 78  |  | 11/18/2020 1315   |                                      |                          |                         |                           |
| MW - 79  |  | 11/18/2020 1320   |                                      |                          |                         |                           |
| MW - 80  |  | 11/18/2020 1248   |                                      |                          |                         |                           |
| MW - 81  |  | 11/18/2020 1410   |                                      |                          |                         |                           |
| Possible Hazard Identification   |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)   |                                      |                          |                         |                           |
| <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological |  | <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months  |                                      |                          |                         |                           |
| Deliverable Requested: I, II, III, IV, Other (specify)   |  | Special Instructions/QC Requirements:   |                                      |                          |                         |                           |
| Empty Kit Relinquished by:   |  | Time:   |                                      |                          |                         |                           |
| Relinquished by: <i>Sam N. Clary</i>   |  | Date: 11/18/2020 1530   |                                      |                          |                         |                           |
| Relinquished by:   |  | Company: STN  |                                      |                          |                         |                           |
| Relinquished by:   |  | Date/Time:  |                                      |                          |                         |                           |
| Relinquished by:   |  | Date/Time:  |                                      |                          |                         |                           |
| Relinquished by:   |  | Date/Time:  |                                      |                          |                         |                           |
| Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No   |  | Cooler Temperature(s) °C and Other Remarks: 0.4°C, 3.0°C, 0.7°C   |                                      |                          |                         |                           |
| Custody Seal No.:  |  | 189   |                                      |                          |                         |                           |



## Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-196065-1

Login Number: 196065

List Source: Eurofins TestAmerica, Pensacola

List Number: 1

Creator: Gore, Beija K

| Question   | Answer | Comment                     |
|--|--------|-----------------------------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |                             |
| The cooler's custody seal, if present, is intact.  | True   | 1524045,1524046,1524044     |
| Sample custody seals, if present, are intact.  | N/A    |                             |
| The cooler or samples do not appear to have been compromised or tampered with.           | True   |                             |
| Samples were received on ice.  | True   |                             |
| Cooler Temperature is acceptable.  | True   |                             |
| Cooler Temperature is recorded.  | True   | 0.4 °c, 3.0 °c, 0.7 °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.                  | True   |                             |
| Samples are received within Holding Time (excluding tests with immediate HTs)            | True   |                             |
| Sample containers have legible labels.   | True   |                             |
| Containers are not broken or leaking.  | True   |                             |
| Sample collection date/times are provided.   | True   |                             |
| Appropriate sample containers are used.  | True   |                             |
| Sample bottles are completely filled.  | True   |                             |
| Sample Preservation Verified.  | N/A    |                             |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs         | True   |                             |
| Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4"). | True   |                             |
| Multiphasic samples are not present.   | True   |                             |
| Samples do not require splitting or compositing.   | True   |                             |
| Residual Chlorine Checked.   | N/A    |                             |



**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 24347

**CONDITIONS**

|   |  |
|---|--|
| Operator:<br>El Paso Natural Gas Company, L.L.C<br>1001 Louisiana Street<br>Houston, TX 77002 | OGRID:<br>7046   |
|   | Action Number:<br>24347  |
|   | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

**CONDITIONS**

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| nvelez     | Review of 2020 ANNUAL GROUNDWATER MONITORING REPORT: Content satisfactory 1. Continue annual groundwater monitoring in 2021 2. Submit summarized activities completed and their results in a 2021 Annual Report. Submittal to OCD expected no later than March 31,2022 | 12/29/2021     |