REVIEWED
By Mike Buchanan at 4:30 pm, Jul 08, 2024

Review of the 2023 Annual Groundwater Monitoring Report for Blanco Plant--South Flare Pit and D Plant Areas: Content Satisfactory
1. Continue to conduct groundwater monitoring as scheduled
2. Sample monitoring wells for nitrates by EPA method 353.2 and 354.1.
3. Submit the 2024 annual report to OCD by April 1, 2025.

Stantec

2023 ANNUAL GROUNDWATER MONITORING REPORT

Blanco Plant – South Flare Pit and D Plant Areas

NMOCD Incident No. nAPP2110640022

Prepared for:

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Table of Contents

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

Abbreviations

bgs	below ground surface
EPA	U.S. Environmental Protection Agency
EPNG	El Paso Natural Gas Company, LLC
LNAPL	light non-aqueous phase liquid
mg/L	milligrams per liter
NMOCD	New Mexico Oil Conservation Division
NMWQCC	New Mexico Water Quality Control Commission
PCE	Tetrachloroethene
QC	quality control
SFP	South Flare Pit
TCE	Trichloroethene
VOC	volatile organic compound

1.0 INTRODUCTION

This 2023 Annual Groundwater Monitoring Report has been prepared on behalf of El Paso Natural Gas Company, LLC (EPNG) to present the results of the 2023 annual groundwater monitoring activities at the Blanco Gas Plant South Flare Pit (SFP) and D Plant Areas (Site).

The Site is currently regulated by the New Mexico Oil Conservation Division (NMOCD) and is located at 81 Road 4900 in Bloomfield, San Juan County, New Mexico. Annual groundwater sampling is typically conducted in the fourth quarter of the year. The Site location is shown in Figure 1 and the Site plan is shown in Figure 2. The 2023 groundwater sampling event was performed by Stantec Consulting Services, Inc. (Stantec), on behalf of EPNG.

2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

The Blanco South site (the Site) is located approximately 1.5 miles northeast of Bloomfield, New Mexico. The San Juan River is approximately 2 miles south of the Site. Citizens Ditch, a local irrigation canal, is located immediately south of the Blanco Gas 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 SFP was closed in November-December 1992. 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. In 2002, most of the Blanco Gas Plant facilities were sold by EPNG to Enterprise Products (Enterprise). Kinder Morgan, the parent company of EPNG, currently operates a portion of the compression facilities at the Site and continues to own the property on which the gas plant is located. Properties adjacent to the Site include the following:

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

2.2 SITE HISTORY

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

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

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

used for the in-situ remediation of residual petroleum hydrocarbons. The 2003 nitrate study concluded that groundwater monitoring should be conducted annually.

In 2015, CH2M (now Jacobs) installed additional monitoring wells at the Site to evaluate the nature and extent of volatile organic compounds (VOCs) and nitrate in groundwater at the D Plant Area and nitrate in groundwater on the southern portion of the Site, including the former SFP. Monitoring wells MW-71, MW-72, MW-73, MW-74, MW-75, MW-76, MW-77, MW-78, MW-79, MW-80, and MW-81 were installed. The findings indicated that VOCs in the D Plant Area were limited to a small central area and the only exceedance of a New Mexico Water Quality Control Commission (NMWQCC) standard was for 1,1-dichloroethane (1,1-DCA) at MW-13. There were several exceedances of the NMWQCC standard for nitrate in the D Plant Area. Nitrate exceedances of the standard were found throughout the southern portion of the Site, including at the former SFP, however, the nitrate did not exceed the standard in the downgradient wells, indicating that the limits of the nitrate exceedances in groundwater were delineated onsite. The findings of that investigation were presented in a Site Characterization Report (CH2M, 2016).

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

2.3 GEOLOGY AND HYDROGEOLOGY

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

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

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

3.0 GROUNDWATER MONITORING ACTIVITIES

Stantec conducted annual groundwater monitoring at the Blanco Gas Plant SFP and D Plant Areas in November 2023. Email notifications were provided to the NMOCD prior to the start of field work. Copies of the notifications are included in Appendix A.

The following sections summarize the activities conducted during 2023.

3.1 DEPTH TO WATER MEASUREMENTS

Site-wide groundwater gauging activities were performed on November 10, 2023, and groundwater elevations at nineteen (19) EPNG monitoring wells (MW-8, MW-12 through MW-15, MW-28, MW-29, MW-30, and MW-71 through MW-81) were measured. Monitoring wells MW-12 through MW-15, and MW-71, are associated with the D Plant Area, while the remaining monitoring wells are associated with the SFP. The monitoring wells associated with the North Flare Pit portion of the Blanco Plant were also gauged on November 10, 2023, to provide for an evaluation of the groundwater flow configuration across both the north and south portions of the Blanco Plant.

Well gauging was completed using an oil-water interface probe. The depth to water and depth to light non-aqueous phase liquid (LNAPL), as applicable, was measured at each of the accessed monitoring wells. LNAPL was not encountered during gauging or subsequent sampling at the SFP or D Plant Area. The 2023 groundwater gauging data and resultant groundwater elevations are included with historical gauging data on Table 1.

3.2 GROUNDWATER SAMPLING

On November 14, 2023, groundwater samples were collected from the EPNG monitoring wells using HydraSleeve™ samplers. The HydraSleeves™ used to collect the samples were installed in the site monitoring wells following the November 2022 annual groundwater sampling event. Following the 2023 sampling activities, Stantec installed new HydraSleeves™ in the monitoring wells to facilitate future groundwater sampling.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins Environment Testing Southeast, LLC (Eurofins) laboratory, in Pensacola, Florida. One laboratory-originated trip blank, and two blind field duplicate samples were also collected during the groundwater sampling event. The groundwater samples were submitted for analysis of nitrate using United States Environmental Protection Agency (EPA) Methods E300.0. Groundwater samples collected from monitoring wells in the D-Plant Area (MW-12, MW-13, MW-14, and MW-15) were analyzed for selected VOCs as well using EPA Method 8260D. A sample was collected from MW-71 for VOC analysis was also submitted to Eurofins; however, it was inadvertently not analyzed.

Due to a delay by the shipping company in delivering the groundwater samples to Eurofins, the samples arrived outside of the holding time acceptable for Method E300.0. Following discussions with Eurofins, the nitrate samples were instead quantified for nitrate as nitrogen using Method 353.2, used at the Site before 2019. Estimated concentrations for nitrite as nitrogen were also quantified using Method 354.1.

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

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

4.0 RESULTS AND DISCUSSION

4.1 GROUNDWATER ELEVATION AND GRADIENT

Groundwater elevation data collected during the November 2023 sampling event is summarized on Table 1. Groundwater elevations indicated the apparent groundwater flow across the Site to the south and southeast. A groundwater elevation contour map for the November sampling event is included as Figure 3. The groundwater flow configuration across the Blanco Plant is consistent with that reported for the previous gauging event in November 2022.

4.2 GROUNDWATER ANALYTICAL RESULTS

Tables 2 and 3 summarize the November 2023 VOC and nitrate analytical results, respectively. Figure 4 depicts analyte concentrations during the event. The laboratory analytical report is included in Appendix C. The following is a summary of findings based on the November 2023 groundwater analytical results:

- 1,1-dichloroethane (1,1-DCA) was detected in four of the five samples analyzed for VOCs, but not at or above the applicable NMWQCC Standard (0.025 milligrams per liter [mg/L]).
- 1,2-dichlorobenzene (1,1-DCB) was detected in two of the five samples analyzed for VOCs. An applicable NMWQCC standard for 1,1- DCB has not been established.
- Cis-1,2-dichloroethene (cis-1,2-DCE) was detected in two of the five samples analyzed for VOCs, but not at or above the applicable NMWQCC Standard (0.070 mg/L).
- Trichloroethene (TCE) was detected in two of the five samples analyzed for VOCs, but not at or above the applicable NMWQCC Standard (0.1 mg/L).
- Tetrachloroethene (PCE) was not detected at or above the applicable NMWQCC Standard (0.02 mg/L) in the samples collected from the five monitoring wells for analysis of VOCs.
- Nitrate as nitrogen was detected at concentrations exceeding the NMWQCC standard for nitrate as nitrogen (10 mg/L) in the samples collected from monitoring wells MW-14 (12 mg/L), MW-15 (18 mg/L), MW-28 (50 mg/L), MW-29 (99 mg/L), MW-30 (17 mg/L), MW-71 (18 mg/L), MW-73 (64 mg/L), MW-75 (86 mg/L), MW-77 (84 mg/L), MW-78 (11 mg/L), MW-80 (120 mg/L), and MW-81 (49 mg/L). Nitrate as nitrogen was detected at concentrations below the NMWQCC standard for nitrate as nitrogen in the remaining site monitoring wells that were sampled.

Field duplicates were collected from monitoring wells MW-14 and MW-28 during the 2023 sampling event. No significant differences existed between the primary and the duplicate samples. Detectable concentrations of VOCs were not reported in the trip blank submitted for analysis during the 2023 sampling event.

Figure 4 depicts the nitrate as nitrogen concentrations in groundwater samples collected in November 2023.

5.0 PLANNED FUTURE ACTIVITIES

Annual groundwater monitoring is scheduled to continue in 2024. 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 submitted for analysis of nitrate using Methods 353.2 and 354.1. Monitoring wells MW-12 through MW-15, MW-71, one duplicate sample, and a trip blank will be submitted for analysis of VOCs.

The activities completed in 2024 and their results will be summarized in the 2024 Annual Report, to be submitted by April 1, 2025.

6.0 REFERENCES

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

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

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

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

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

TABLES

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

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-8	**5581.61**	9/23/1988	28.79	5552.82
		1/8/1990	26.47	5555.14
		6/18/1991	NA	NA
		2/19/1993	NA	NA
		6/7/1993	NA	NA
		9/27/1993	NA	NA
		1/27/1994	NA	NA
		11/10/2000	NA	NA
		3/23/2001	NA	NA
		8/28/2001	35.76	5545.85
		5/28/2002	NA	NA
		6/3/2003	34.05	5547.56
		5/17/2004	34.41	5547.20
		5/31/2005	34.66	5546.95
		6/8/2006	34.69	5546.92
		6/20/2007	33.60	5548.01
		5/22/2008	33.22	5548.39
		5/28/2009	33.96	5547.65
		5/25/2010	34.40	5547.21
		10/19/2011	Dry	Dry
		12/18/2013	Dry	Dry
		12/15/2014	NM	NM
		12/16/2015	Dry	Dry
		12/14/2016	29.31	5552.30
		11/15/2017	32.06	5549.55
		1/28/2018	32.30	5549.31
		11/15/2018	29.54	5552.07
		4/16/2019	26.38	5555.23
		9/23/2019	26.82	5554.79
		10/15/2019	26.05	5555.56
		11/17/2020	28.41	5553.20
		11/9/2021	31.23	5550.38
		11/1/2022	32.50	5549.11
		11/10/2023	33.72	5547.89
MW-12	**5605.04**	5/28/2002	20.95	5584.09
		6/3/2003	16.99	5588.05
		5/17/2004	16.59	5588.45
		5/31/2005	15.65	5589.39
		6/8/2006	18.62	5586.42
		6/20/2007	16.55	5588.49
		5/22/2008	16.04	5589.00
		5/28/2009	17.20	5587.84
		5/24/2010	15.90	5589.14
		10/19/2011	16.94	5588.10
		12/18/2013	18.02	5587.02
		12/15/2014	18.50	5586.54
		2/10/2015	18.32	5586.72
		12/16/2015	17.13	5587.91

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

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-12 (cont.)	5605.04	12/14/2016	16.15	5588.89
		11/15/2017	17.08	5587.96
		1/29/2018	19.21	5585.83
		11/15/2018	18.46	5586.58
		4/16/2019	15.91	5589.13
		9/23/2019	16.49	5588.55
		10/15/2019	16.98	5588.06
		11/17/2020	18.20	5586.84
		11/9/2021	17.61	5587.43
		11/1/2022	16.44	5588.60
		11/10/2023	17.47	5587.57
MW-13	5600.64	5/28/2002	16.76	5583.88
		6/3/2003	14.44	5586.20
		5/17/2004	14.12	5586.52
		5/31/2005	13.43	5587.21
		6/8/2006	15.60	5585.04
		6/20/2007	14.33	5586.31
		5/22/2008	13.91	5586.73
		5/28/2009	14.55	5586.09
		5/25/2010	14.60	5586.04
		10/19/2011	13.65	5586.99
		12/18/2013	14.95	5585.69
		12/15/2014	15.17	5585.47
		2/10/2015	14.35	5586.29
		12/16/2015	14.38	5586.26
		12/14/2016	13.77	5586.87
		11/15/2017	14.26	5586.38
		1/28/2018	15.52	5585.12
		11/15/2018	15.90	5584.74
		4/16/2019	13.20	5587.44
		9/23/2019	13.81	5586.83
		10/15/2019	14.24	5586.40
		11/17/2020	15.09	5585.55
		11/9/2021	14.67	5585.97
		11/1/2022	13.61	5587.03
		11/10/2023	14.62	5586.02
MW-14	5601.54	5/28/2002	21.57	5579.97
		6/3/2003	19.85	5581.69
		5/17/2004	19.78	5581.76
		5/31/2005	18.81	5582.73
		6/8/2006	20.03	5581.51
		6/20/2007	18.43	5583.11
		5/22/2008	16.20	5585.34
		5/28/2009	16.30	5585.24
		5/25/2010	15.55	5585.99
		10/19/2011	15.03	5586.51
		12/18/2013	15.90	5585.64
		12/15/2014	16.06	5585.48

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

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-14 (cont.)	**5601.54**	2/10/2015	15.55	5585.99
		12/16/2015	15.42	5586.12
		12/14/2016	14.91	5586.63
		11/15/2017	15.35	5586.19
		1/28/2018	16.62	5584.92
		11/15/2018	16.00	5585.54
		4/16/2019	14.35	5587.19
		9/23/2019	14.91	5586.63
		10/15/2019	15.19	5586.35
		11/17/2020	16.13	5585.41
		11/9/2021	15.64	5585.90
		11/1/2022	14.62	5586.92
		11/10/2023	15.65	5585.89
MW-15	**5599.82**	5/28/2002	20.33	5579.49
		6/3/2003	18.85	5580.97
		5/17/2004	18.48	5581.35
		5/31/2005	17.80	5582.02
		6/8/2006	19.68	5580.14
		6/20/2007	18.83	5580.99
		5/22/2008	18.12	5581.70
		5/28/2009	18.83	5580.99
		5/25/2010	18.53	5581.29
		10/19/2011	18.02	5581.80
		12/18/2013	19.24	5580.58
		12/15/2014	19.29	5580.53
		2/10/2015	19.56	5580.26
		12/16/2015	18.45	5581.37
		12/14/2016	18.92	5580.90
		11/15/2017	18.80	5581.02
		1/28/2018	19.88	5579.94
		11/15/2018	19.42	5580.40
		4/16/2019	19.45	5580.37
		9/23/2019	18.66	5581.16
		10/15/2019	18.81	5581.01
		11/17/2020	19.41	5580.41
		11/9/2021	19.01	5580.81
		11/1/2022	18.21	5581.61
		11/10/2023	18.61	5581.21
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

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

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-28 (cont.)	**5575.88**	6/3/2003	29.68	5546.20
		5/17/2004	30.71	5545.17
		5/31/2005	30.22	5545.66
		6/8/2006	29.30	5546.58
		6/20/2007	28.58	5547.30
		5/22/2008	29.04	5546.84
		5/28/2009	28.66	5547.22
		5/25/2010	29.79	5546.09
		10/19/2011	27.47	5548.41
		12/18/2013	27.90	5547.98
		12/15/2014	27.80	5548.08
		2/10/2015	28.84	5547.04
		12/16/2015	26.38	5549.50
		12/14/2016	27.71	5548.17
		11/15/2017	26.25	5549.63
		1/28/2018	27.82	5548.06
		11/15/2018	31.62	5544.26
		4/16/2019	30.01	5545.87
		9/23/2019	27.21	5548.67
		10/15/2019	27.05	5548.83
		11/17/2020	25.92	5549.96
		11/9/2021	25.83	5550.05
		11/1/2022	26.17	5549.71
		11/10/2023	27.13	5548.75
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
		2/10/2015	31.69	5546.71
		12/16/2015	29.65	5548.75
		12/14/2016	29.65	5548.75

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

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-29 (cont.)	**5578.40**	11/15/2017	29.10	5549.30
		1/28/2018	30.69	5547.71
		11/15/2018	29.39	5549.01
		4/16/2019	32.32	5546.08
		9/23/2019	29.85	5548.55
		10/15/2019	29.72	5548.68
		11/17/2020	29.03	5549.37
		11/9/2021	28.89	5549.51
		11/1/2022	28.10	5550.30
		11/10/2023	29.34	5549.06
MW-30	**5578.39**	10/7/1993	25.63	5552.76
		2/2/1994	NA	NA
		8/20/1994	NA	NA
		2/16/1995	NA	NA
		8/10/2000	NA	NA
		11/10/2000	NA	NA
		3/26/2001	NA	NA
		8/28/2001	NA	NA
		5/28/2002	NA	NA
		6/3/2003	NA	NA
		5/17/2004	32.21	5546.18
		5/31/2005	32.28	5546.11
		6/8/2006	31.74	5546.65
		6/20/2007	31.01	5547.38
		5/22/2008	31.20	5547.19
		5/28/2009	31.85	5546.54
		5/25/2010	31.91	5546.48
		10/19/2011	30.24	5548.15
		12/18/2013	30.55	5547.84
		12/15/2014	30.46	5547.93
		2/10/2015	30.46	5547.93
		12/16/2015	28.55	5549.84
		12/14/2016	29.26	5549.13
		11/15/2017	28.81	5549.58
		1/28/2018	30.09	5548.30
		11/15/2018	29.25	5549.14
		4/16/2019	31.86	5546.53
		9/23/2019	29.94	5548.45
		10/15/2019	29.80	5548.59
		11/17/2020	28.43	5549.96
		11/9/2021	28.51	5549.88
		11/1/2022	28.88	5549.51
		11/10/2023	29.62	5548.77
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

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

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-71 (cont.)	**5596.32**	11/15/2018	24.85	5571.47
		4/16/2019	26.95	5569.37
		9/23/2019	23.69	5572.63
		10/15/2019	23.78	5572.54
		11/17/2020	24.78	5571.54
		11/9/2021	24.41	5571.91
		11/1/2022	23.08	5573.24
		11/10/2023	23.09	5573.23
MW-72	**5569.51**	2/11/2015	20.90	5548.61
		12/16/2015	18.66	5550.85
		12/14/2016	17.89	5551.62
		11/15/2017	17.94	5551.57
		1/28/2018	20.55	5548.96
		11/15/2018	18.46	5551.05
		4/16/2019	21.30	5548.21
		9/23/2019	18.58	5550.93
		10/15/2019	18.65	5550.86
		11/17/2020	17.71	5551.80
		11/9/2021	17.22	5552.29
		11/1/2022	17.13	5552.38
		11/10/2023	19.33	5550.18
MW-73	**5578.70**	2/11/2015	31.80	5546.90
		12/16/2015	29.56	5549.14
		12/14/2016	29.64	5549.06
		11/15/2017	29.13	5549.57
		1/28/2018	30.63	5548.07
		11/15/2018	29.50	5549.20
		4/16/2019	32.35	5546.35
		9/23/2019	29.95	5548.75
		10/15/2019	29.83	5548.87
		11/17/2020	28.99	5549.71
		11/9/2021	28.91	5549.79
		11/1/2022	29.12	5549.58
		11/10/2023	29.38	5549.32
MW-74	**5571.47**	2/11/2015	25.90	5545.57
		12/16/2015	23.88	5547.59
		12/14/2016	23.41	5548.06
		11/15/2017	22.73	5548.74
		1/28/2018	25.15	5546.32
		11/15/2018	22.75	5548.72
		4/16/2019	28.84	5542.63
		9/23/2019	22.88	5548.59
		10/15/2019	22.75	5548.72
		11/17/2020	21.12	5550.35
		11/9/2021	21.77	5549.70
		11/1/2022	22.26	5549.21
		11/10/2023	23.57	5547.90

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

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-75	**5582.66**	2/10/2015	34.17	5548.49
		12/16/2015	32.28	5550.38
		12/14/2016	31.49	5551.17
		11/15/2017	32.06	5550.60
		1/28/2018	32.69	5549.97
		11/15/2018	29.60	5553.06
		4/16/2019	27.15	5555.51
		9/23/2019	27.12	5555.54
		10/15/2019	26.56	5556.10
		11/17/2020	29.95	5552.71
		11/9/2021	32.22	5550.44
		11/1/2022	32.31	5550.35
		11/10/2023	33.27	5549.39
MW-76	**5567.13**	2/11/2015	19.53	5547.60
		12/16/2015	16.20	5550.93
		12/14/2016	16.51	5550.62
		11/15/2017	15.81	5551.32
		1/28/2018	19.35	5547.78
		11/15/2018	15.48	5551.65
		4/16/2019	19.19	5547.94
		9/23/2019	14.26	5552.87
		10/15/2019	14.71	5552.42
		11/17/2020	15.05	5552.08
		11/9/2021	14.12	5553.01
		11/1/2022	14.33	5552.80
		11/10/2023	16.48	5550.65
MW-77	**5574.52**	2/11/2015	24.55	5549.97
		12/16/2015	22.00	5552.52
		12/14/2016	15.67	5558.85
		11/15/2017	21.39	5553.13
		1/28/2018	23.48	5551.04
		11/15/2018	23.20	5551.32
		4/16/2019	23.39	5551.13
		9/23/2019	23.52	5551.00
		10/15/2019	23.59	5550.93
		11/17/2020	22.48	5552.04
		11/9/2021	22.40	5552.12
		11/1/2022	21.07	5553.45
		11/10/2023	21.64	5552.88
MW-78	**5576.27**	2/11/2015	29.58	5546.69
		12/16/2015	26.67	5549.60
		12/14/2016	27.63	5548.64
		11/15/2017	26.30	5549.97
		1/28/2018	28.41	5547.86
		11/15/2018	26.73	5549.54
		4/16/2019	30.01	5546.26
		9/23/2019	27.33	5548.94
		10/15/2019	27.30	5548.97

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

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to Water (ft btoc)	Groundwater Elevation (ft amsl)
MW-78 (cont.)	**5576.27**	11/17/2020	25.99	5550.28
		11/9/2021	25.92	5550.35
		11/1/2022	26.16	5550.11
		11/10/2023	27.11	5549.16
MW-79	**5583.35**	2/11/2015	35.67	5547.68
		12/16/2015	33.73	5549.62
		12/14/2016	33.74	5549.61
		11/15/2017	33.17	5550.18
		1/28/2018	34.35	5549.00
		11/15/2018	33.57	5549.78
		4/16/2019	35.96	5547.39
		9/23/2019	34.12	5549.23
		10/15/2019	33.98	5549.37
		11/17/2020	33.39	5549.96
		11/9/2021	33.29	5550.06
		11/1/2022	33.38	5549.97
		11/10/2023	32.71	5550.64
MW-80	**5587.40**	2/10/2015	29.43	5557.97
		12/16/2015	26.65	5560.75
		12/14/2016	28.82	5558.58
		11/15/2017	27.49	5559.91
		1/28/2018	28.81	5558.59
		11/15/2018	30.50	5556.90
		4/16/2019	30.51	5556.89
		9/23/2019	27.50	5559.90
		10/15/2019	27.56	5559.84
		11/17/2020	30.90	5556.50
		11/9/2021	31.70	5555.70
		11/1/2022	32.04	5555.36
		11/10/2023	28.25	5559.15
MW-81	**5576.50**	2/11/2015	30.25	5546.25
		12/16/2015	28.03	5548.47
		12/14/2016	27.95	5548.55
		11/15/2017	27.39	5549.11
		1/28/2018	29.08	5547.42
		11/15/2018	27.78	5548.72
		4/16/2019	30.78	5545.72
		9/23/2019	28.10	5548.40
		10/15/2019	27.98	5548.52
		11/17/2020	27.25	5549.25
		11/9/2021	27.03	5549.47
		11/1/2022	27.32	5549.18
		11/10/2023	27.88	5548.62

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

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

Monitoring Well	Sample Date	1,1-DCA	1,2-DCB	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE
NMWQCC Standard (mg/L):		0.025	NE	0.005	NE	0.07	0.1	0.02
MW-12	5/28/2002	**0.021**	**0.0052**	<0.001	**0.0017**	**0.02**	**0.008**	**0.003**
	6/3/2003	**0.0082**	**0.0034**	<0.002	<0.002	**0.0082**	**0.0045**	**0.0032**
	5/17/2004	**0.0046**	**0.0034**	<0.002	<0.002	**0.0051**	**0.004**	**0.0023**
	5/31/2005	**0.0223**	<0.002	<0.002	<0.002	**0.0188**	**0.0207**	<0.002
	6/8/2006	**0.0087**	**0.0045**	<0.002	**0.00087**	**0.0107**	**0.0047**	**0.0025**
	6/20/2007	**0.0036**	**0.003**	<0.002	<0.002	**0.0044**	**0.003**	**0.0019**
	5/22/2008	**0.0061**	**0.0053**	<0.002	**0.00069**	**0.0082**	**0.0031**	**0.0024**
	5/28/2009	**0.0042**	**0.0041**	<0.002	<0.002	**0.005**	**0.0026**	**0.002**
	5/24/2010	**0.0029**	**0.0039**	<0.0021	**0.00052**	**0.0049**	**0.0025**	**0.0019**
	10/19/2011	**0.0035**	**0.0052**	<0.002	**0.00079**	**0.0065**	**0.0029**	**0.0022**
	12/18/2013	**0.00253**	NA	<0.00019	**0.000384J**	**0.00377**	**0.00193**	**0.0015**
	12/16/2014	**0.00181**	NA	<0.00019	**0.000314**	**0.00244**	**0.00181**	**0.00123**
	2/10/2015	**0.00136**	NA	**0.000192**	**0.000321**	**0.00166**	**0.00186**	**0.00185**
	12/16/2015	**0.000982**	NA	<0.000192	<0.000192	**0.00125**	**0.00145**	**0.00172**
	12/14/2016	**0.000466 J**	NA	<0.000192	<0.000192	**0.000549 J**	**0.00101**	**0.00134**
	11/15/2017	**0.000508 J**	**0.000976 J**	<0.000192	<0.000192	<0.000157	**0.00102**	**0.00138**
	11/15/2018	**0.000700 J**	**0.000891 J**	<0.000192	<0.000192	**0.000364 J**	**0.001**	**0.00116**
	10/16/2019	**0.000951 J**	**0.00184 J**	<0.000192	<0.000192	**0.00138 J**	**0.00111**	**0.00143 J**
	11/18/2020	**0.00072 J**	**0.0006 J**	<0.00050	<0.00050	<0.00050	**0.00086 J**	**0.00075 J**
	11/9/2021	<0.00050	<0.00050	<0.00050	<0.00050	<0.00020	**0.00067 J**	**0.00061 J**
	11/3/2022	**0.00060 J**	**0.00098 J**	<0.00050	<0.00050	**0.00043 J**	**0.00081 J**	**0.00099 J**
	11/14/2023	<0.00050	**0.0013**	<0.00050	<0.00050	**0.00053 J**	**0.00059 J**	<0.00090
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**	NA	**0.000807 J**	**0.00389**	**0.0269**	**0.0142**	**0.00114**
	12/16/2014	**0.0302**	NA	**0.000612**	**0.00213**	**0.0161**	**0.00807**	**0.000529**
	2/10/2015	**0.028**	NA	**0.000691**	**0.00195**	**0.0131**	**0.00914**	**0.000807**
	12/16/2015	**0.0186**	NA	**0.000355**	**0.00153**	**0.0104**	**0.00842**	**0.000697**
	12/14/2016	**0.0271**	NA	**0.000471 J**	**0.00219**	**0.0183**	**0.00897**	**0.000684 J**
	11/15/2017	**0.0122**	**0.00689**	<0.000192	**0.000581 J**	**0.00567**	**0.0059**	**0.000557 J**
	11/15/2018	**0.00908**	**0.00269**	<0.000192	**0.000366 J**	**0.00243**	**0.00368**	<0.0000333
	10/16/2019	**0.0147**	**0.00586**	**0.00024 J**	**0.000641 J**	**0.00463**	**0.00489**	**0.000738 J**
	11/18/2020	**0.0036**	**0.00097 J**	<0.00050	<0.00050	<0.00050	**0.0023**	<0.00058
	11/9/2021	**0.0079**	**0.0051**	<0.00050	<0.00050	**0.0019**	**0.0028**	**0.00044 J**
	11/3/2022	**0.0048**	**0.0024**	<0.00050	<0.00050	**0.00084 J**	**0.0014**	<0.00090
	11/14/2023	**0.0035**	**0.0013**	<0.00050	<0.00050	**0.00041 J**	**0.0014**	<0.00090
MW-14	5/28/2002	**0.0087**	<0.001	<0.001	<0.001	**0.0029**	**0.0019**	<0.001
	6/3/2003	**0.0095**	<0.002	<0.002	<0.002	**0.0033**	**0.0024**	<0.002
	5/17/2004	**0.0057**	<0.002	<0.002	<0.002	**0.0021**	**0.0016**	<0.002
	5/31/2005	**0.0047**	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0012**
	6/8/2006	**0.0089**	<0.002	<0.002	<0.002	**0.0034**	**0.0018**	<0.002
	6/20/2007	**0.0242**	**0.0238**	<0.002	**0.0027**	**0.0142**	**0.011**	<0.002
	5/22/2008	**0.0093**	**0.0047**	<0.002	<0.002	**0.0034**	**0.003**	<0.002
	5/28/2009	**0.0064**	**0.0021**	<0.002	<0.002	**0.0014**	**0.0015**	<0.002
	5/25/2010	**0.0072**	**0.0035**	<0.002	<0.002	**0.0026**	**0.0021**	<0.002
	10/19/2011	**0.0083**	**0.0052**	<0.001	**0.00042**	**0.0033**	**0.0026**	**0.00052**
	12/18/2013	**0.00873**	NA	<0.00019	**0.000192 J**	**0.00135**	**0.00118**	**0.000208 J**
	12/17/2014	**0.00981**	NA	<0.00019	<0.00009	**0.00187**	**0.00213**	<0.00013
	12/17/2014	**0.00981**	NA	<0.00019	<0.00009	**0.00187**	**0.00213**	<0.00013
	12/16/2015	**0.00328**	NA	<0.000192	<0.000192	**0.000188**	**0.000329**	<0.000333
	12/14/2016	**0.00254**	NA	<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

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

Monitoring Well	Sample Date	1,1-DCA	1,2-DCB	1,1-DCE	trans-1,2-DCE	cis-1,2-DCE	TCE	PCE
NMWQCC Standard (mg/L):		0.025	NE	0.005	NE	0.07	0.1	0.02
MW-14 (cont.)	10/16/2019	**0.00194**	**0.000543 J**	<0.000192	<0.000192	<0.000157	**0.000216 J**	<0.000333
	11/18/2020	**0.0021**	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00058
DUP-01 (Duplicate)	11/18/2020	**0.00071 J**	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00058
	11/9/2021	**0.00056 J**	<0.00050	<0.00050	<0.00050	<0.00020	<0.00012	<0.00015
DUP-01 (Duplicate)	11/9/2021	<0.00050	<0.00050	<0.00050	<0.00050	<0.00020	<0.00012	<0.00015
	11/3/2022	**0.0020**	**0.00053 J**	<0.00050	<0.00050	<0.00020	**0.00027 J**	<0.00090
DUP-01 (Duplicate)	11/3/2022	**0.0021**	**0.00064 J**	<0.00050	<0.00050	<0.00020	**0.00024 J**	<0.00090
	11/14/2023	**0.0013**	<0.00050	<0.00050	<0.00050	<0.00020	<0.00015	<0.00090
DUP-01 (Duplicate)	11/14/2023	**0.0017**	<0.00050	<0.00050	<0.00050	<0.00020	<0.00015	<0.00090
MW-15	5/28/2002	**0.0053**	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
	6/3/2003	**0.006**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/17/2004	**0.0063**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/31/2005	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	6/8/2006	**0.0043**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	6/20/2007	**0.0048**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/22/2008	**0.0036**	<0.002	<0.002	<0.002	**0.00064**	<0.002	<0.002
	5/28/2009	**0.0033**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	5/25/2010	**0.0027**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	10/19/2011	**0.003**	<0.001	<0.001	<0.001	**0.00044**	<0.001	<0.001
	12/18/2013	**0.00321**	NA	<0.00019	<0.00009	**0.000465 J**	**0.000324 J**	<0.00013
	12/17/2014	**0.00284**	NA	<0.00095	<0.00045	**0.000526**	<0.0009	**0.000798**
	2/10/2015	**0.00187**	NA	**0.000962**	**0.000961**	**0.000785**	**0.000688**	**0.00257**
	12/16/2015	<0.00336	NA	<0.00384	<0.00384	<0.00314	<0.00276	<0.00666
	12/14/2016	**0.00191**	NA	<0.000192	<0.000192	**0.000176 J**	**0.000168 J**	<0.000333
	11/15/2017	**0.00158**	<0.000153	<0.000192	<0.000192	<0.000157	<0.000138	<0.000333
	11/15/2018	<0.000840	**0.000765**	<0.000960	<0.000960	<0.000785	<0.000690	<0.00167
	10/16/2019	**0.00204 J**	< 0.000765	< 0.00096	< 0.00096	<0.000785	<0.000690	<0.00167
	11/18/2020	**0.0015**	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00058
	11/9/2021	**0.0012**	<0.00050	<0.00050	<0.00050	<0.00020	<0.00015	<0.00012
	11/3/2022	**0.0016**	<0.00050	<0.00050	<0.00050	<0.00020	<0.00015	<0.00090
	11/14/2023	**0.0017**	<0.00050	<0.00050	<0.00050	<0.00020	<0.00015	<0.00090
MW-71	11/15/2018	**0.000620 J**	<0.000153	<0.000192	<0.000192	<0.000157	**0.000366 J**	**0.00174**
	10/16/2019	**0.000429 J**	**0.000191 J**	<0.000192	<0.000192	<0.000157	<0.000138	**0.00173**
	11/18/2020	**0.0007 J**	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	**0.0011**
	11/9/2021	**0.00051 J**	<0.00050	<0.00050	<0.00050	<0.00020	**0.00037 J**	**0.0012**
	11/3/2022	**0.00065 J**	<0.00050	<0.00050	<0.00050	<0.00020	**0.00044 J**	**0.0014**

Notes:
Bolded text indicates a detected concentration.
Highlighted cells and bolded text indicates the concentration exceeded the NMWQCC standard.
< = The analyte was not detected above the method detection limit.
1,1-DCA = 1,1-dichloroethane.
1,2-DCB = 1,2-dichlorobenzene.
1,1-DCE = 1,1-dichloroethene.
cis-1,2-DCE = cis-1,2-dichloroethene.
J = The analyte was detected at a concentration above the method detection limit but below the reporting limit.
mg/L = milligrams per liter.
NA = Sample was not analyzed for the listed compound.
NMWQCC = New Mexico Water Quality Control Commission.
PCE = tetrachloroethene.
TCE = trichloroethene.
trans-1,2-DCE = trans-1,2-dichloroethene.

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

Monitoring Well	Sample Date	Nitrate as Nitrogen (mg/L)	
NMWQCC Standard (mg/L):		10	
MW-8	9/23/1988	<0.1	
	6/18/1991	<0.06	
	2/19/1993	**1.95**	
	6/7/1993	<1.0	
	9/27/1993	<1.0	
	1/27/1994	<1.0	
	11/10/2000	<0.1	
	3/23/2001	**0.21**	
	8/28/2001	**0.33**	
	5/28/2002	**0.26**	
	6/3/2003	**0.13**	
	5/17/2004	**0.43**	
	5/31/2005	**0.3**	
	6/8/2006	**0.3**	
	6/20/2007	**0.5**	
	5/22/2008	**0.16**	
	5/28/2009	<2.0	
	5/25/2010	**0.19**	
	10/19/2011	Dry	
	12/18/2013	**0.122 (Dry)**	
	12/17/2015	<0.017 (Dry)	
	11/15/2018	**21.5**	
	10/16/2019	**36.3***	**J**
	11/18/2020	**0.074***	**J-**
	11/9/2021	**<0.063***	
	11/3/2022	**<0.32***	**UJ**
	11/14/2023	**0.19**	**J-**
MW-12	1/15/1990	**9.6**	
	6/19/1991	**7.8**	
	2/25/1993	**7.82**	
	6/7/1993	**8.45**	
	9/28/1993	**9.1**	
	1/27/1994	**7.32**	
	8/8/2000	<10	
	11/9/2000	**5.7**	
	3/22/2001	**8.4**	
	8/28/2001	**8**	
	5/28/2002	**2**	
	6/3/2003	**6.7**	
	5/17/2004	**7.6**	
	5/31/2005	**8.6**	
	6/8/2006	**6.5**	
	6/20/2007	**7.6**	
	5/22/2008	**6.7**	
	5/28/2009	**4.3**	
	5/25/2010	**7.2**	
	10/19/2011	**6.2**	
	12/18/2013	**13.2**	
	12/16/2014	**9.61**	
	2/10/2015	**6.04**	
	12/16/2015	**10.9**	
	12/14/2016	**5.17**	
	11/15/2017	**4.72**	
	11/15/2018	**4.7**	
	10/16/2019	**13.1***	**J**
	11/18/2020	**4.2***	**J-**

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

Monitoring Well	Sample Date	Nitrate as Nitrogen (mg/L)	
NMWQCC Standard (mg/L):		10	
MW-12 (cont.)	11/9/2021	4.4*	
	11/3/2022	5.2*	J
	11/14/2023	4.4	J-
MW-13	1/15/1990	16.4	
	6/19/1991	6.3	
	2/24/1993	10.9	
	6/8/1993	8.09	
	9/28/1993	4.1	
	1/27/1994	5.37	
	8/8/2000	<12.5	
	11/9/2000	9.8	
	3/22/2001	13	
	8/28/2001	7.9	
	5/28/2002	6	
	6/3/2003	5.8	
	5/17/2004	9.8	
	5/31/2005	8.2	
	6/8/2006	8.2	
	6/20/2007	6.1	
	5/22/2008	3.9	
	5/28/2009	4.8	
	5/25/2010	4.6	
	10/19/2011	5.5	
	12/18/2013	15.4	
	12/16/2014	23	
	2/10/2015	7.88	
	12/16/2015	32	
	12/14/2016	5.34	
	11/15/2017	6.45	
	11/15/2018	6.73	
	10/16/2019	28.3*	J
	11/18/2020	7.9*	J-
	11/9/2021	7.5*	
	11/3/2022	8.1*	J-
	11/14/2023	8.8	J-
MW-14	1/15/1990	210	
	2/25/1993	19.2	
	6/8/1993	17.5	
	9/28/1993	11.8	
	1/27/1994	15.4	
	8/8/2000	19	
	11/13/2000	0.24	
	3/22/2001	13	
	8/28/2001	20	
	5/28/2002	15	
	6/3/2003	15	
	5/17/2004	16	
	5/31/2005	24	
	6/8/2006	14	
	6/20/2007	15	
	5/22/2008	13.3	
	5/28/2009	7.8	
	5/25/2010	15.5	
	10/19/2011	13.9	
	12/18/2013	29.7	
	12/17/2014	6.12	

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

Monitoring Well	Sample Date	Nitrate as Nitrogen (mg/L)	
NMWQCC Standard (mg/L):		10	
MW-14 (cont.)	2/10/2015	16.1	
	12/16/2015	61.6	
	12/14/2016	15.8	
	11/15/2017	7.56	
	12/15/2018	9.97 J	
	10/16/2019	20*	J
	11/18/2020	8.8*	J-
DUP-01 (Duplicate)	11/18/2020	8.2*	J-
	11/9/2021	7.6*	J-
DUP-01 (Duplicate)	11/9/2021	8.4*	
	11/3/2022	6.0*	
DUP-01 (Duplicate)	11/3/2022	5.7*	J
	11/14/2023	12	J-
DUP-01 (Duplicate)	11/14/2023	8.1	J-
MW-15	1/15/1990	89	
	6/19/1991	50	
	2/24/1993	5	
	6/8/1993	48.1	
	9/28/1993	43	
	1/27/1994	43.7	
	8/8/2000	35	
	11/9/2000	38	
	3/22/2001	25	
	8/28/2001	30	
	5/28/2002	24	
	6/3/2003	21	
	5/17/2004	20	
	5/31/2005	35	
	6/8/2006	17	
	6/20/2007	18	
	5/22/2008	21.6	
	5/28/2009	12	
	5/25/2010	22.9	
	10/19/2011	24.8	
	12/18/2013	54.8	
	12/17/2014	22.2	
	2/10/2015	15.4	
	12/16/2015	45.6	
	12/14/2016	18.1	
	11/15/2017	20.2	
	11/15/2018	22.2	
	10/16/2019	67.9*	J
	11/18/2020	25*	J+
	11/9/2021	17*	J-
	11/3/2022	13*	
	11/14/2023	18	J-
MW-28	10/7/1993	2.1	
	2/2/1994	2.83	
	8/20/1994	2.72	
	12/20/1994	0.33	
	2/16/1995	1.56	
	8/10/2000	25	
	11/10/2000	53	
	3/23/2001	34	
	8/28/2001	63	
	5/28/2002	83	

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

Monitoring Well	Sample Date	Nitrate as Nitrogen (mg/L)	
NMWQCC Standard (mg/L):		10	
MW-28 (cont.)	6/3/2003	87	
	5/17/2004	82	
	5/31/2005	85	
	6/8/2006	68	
	6/20/2007	42	
	5/22/2008	38.5	
	5/28/2009	22.7	
	5/25/2010	51.4	
	10/19/2011	29.8	
	12/18/2013	47.2	
	12/16/2014	89.8	
	2/10/2015	2.74	
	12/16/2015	39.9	
	12/14/2016	52.4	
	11/15/2017	35.1	
	11/15/2018	31.2	
	10/15/2019	30*	J
	11/18/2020	130*	J+
DUP-02 (Duplicate)	11/18/2020	130*	J-
	11/9/2021	45*	J-
DUP-02 (Duplicate)	11/9/2021	40*	J-
	11/3/2022	27*	J-
DUP-02 (Duplicate)	11/3/2022	26*	J-
	11/14/2023	50	J-
DUP-02 (Duplicate)	11/14/2023	50	J-
MW-29	10/7/1993	8.3	
	2/2/1994	19.6	
	8/20/1994	28.84	
	12/20/1994	41	
	2/16/1995	28.1	
	8/10/2000	50	
	11/10/2000	66	
	3/26/2001	70	
	8/28/2001	58	
	5/28/2002	70	
	6/3/2003	79	
	5/17/2004	88	
	5/31/2005	97	
	6/8/2006	71	
	6/20/2007	79	
	5/22/2008	72.5	
	5/28/2009	46.2	
	5/25/2010	79.9	
	10/19/2011	77.7	
	12/18/2013	180	
	12/16/2014	148	
	2/10/2015	78	
	12/16/2015	162	
	12/14/2016	74	
	11/15/2017	91.7	
	11/15/2018	114	
	10/16/2019	130*	J
	11/18/2020	100*	J-
	11/9/2021	93*	J-
	11/3/2022	91*	J-
	11/14/2023	99	J-

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

Monitoring Well	Sample Date	Nitrate as Nitrogen (mg/L)	
NMWQCC Standard (mg/L):		10	
MW-30	10/7/1993	28.1	
	2/2/1994	57.1	
	8/20/1994	67.63	
	2/16/1995	91.3	
	8/10/2000	84	
	11/10/2000	70	
	3/26/2001	72	
	8/28/2001	76	
	5/28/2002	66	
	6/3/2003	58	
	5/17/2004	52	
	5/31/2005	58	
	6/20/2007	57	
	5/22/2008	43.2	
	5/28/2009	16.9	
	5/25/2010	34.8	
	10/19/2011	51.3	
	12/18/2013	101	
	12/16/2014	55.6	
	2/10/2015	36.8	
	12/16/2015	5.92	
	12/14/2016	2.17	
	11/15/2017	3.97	
	11/15/2018	15.4	
	10/15/2019	23.4*	J
	11/18/2020	15*	J-
	11/9/2021	8.0*	
	11/3/2022	14*	
	11/14/2023	17	J-
MW-71	2/10/2015	17.1	
	12/16/2015	47.4	
	12/14/2016	15.8	
	11/15/2017	19.4	
	11/15/2018	17.8	
	10/16/2019	29.6*	J
	11/18/2020	17*	J-
	11/9/2021	14*	J-
	11/3/2022	16*	
	11/14/2023	18	J-
MW-72	2/11/2015	9.15	
	12/16/2015	28.7	
	12/14/2016	10	
	11/15/2017	6.08	
	11/15/2018	9.99	
	10/15/2019	24.9*	J
	11/18/2020	9.6*	J-
	11/9/2021	9.6*	
	11/3/2022	9.3*	
	11/14/2023	8.6	J-
MW-73	2/11/2015	17.3	
	12/16/2015	15.8	
	12/14/2016	30.6	
	11/15/2017	30.6	
	11/15/2018	68.9	
	10/15/2019	56.4*	J
	11/18/2020	22*	J-

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

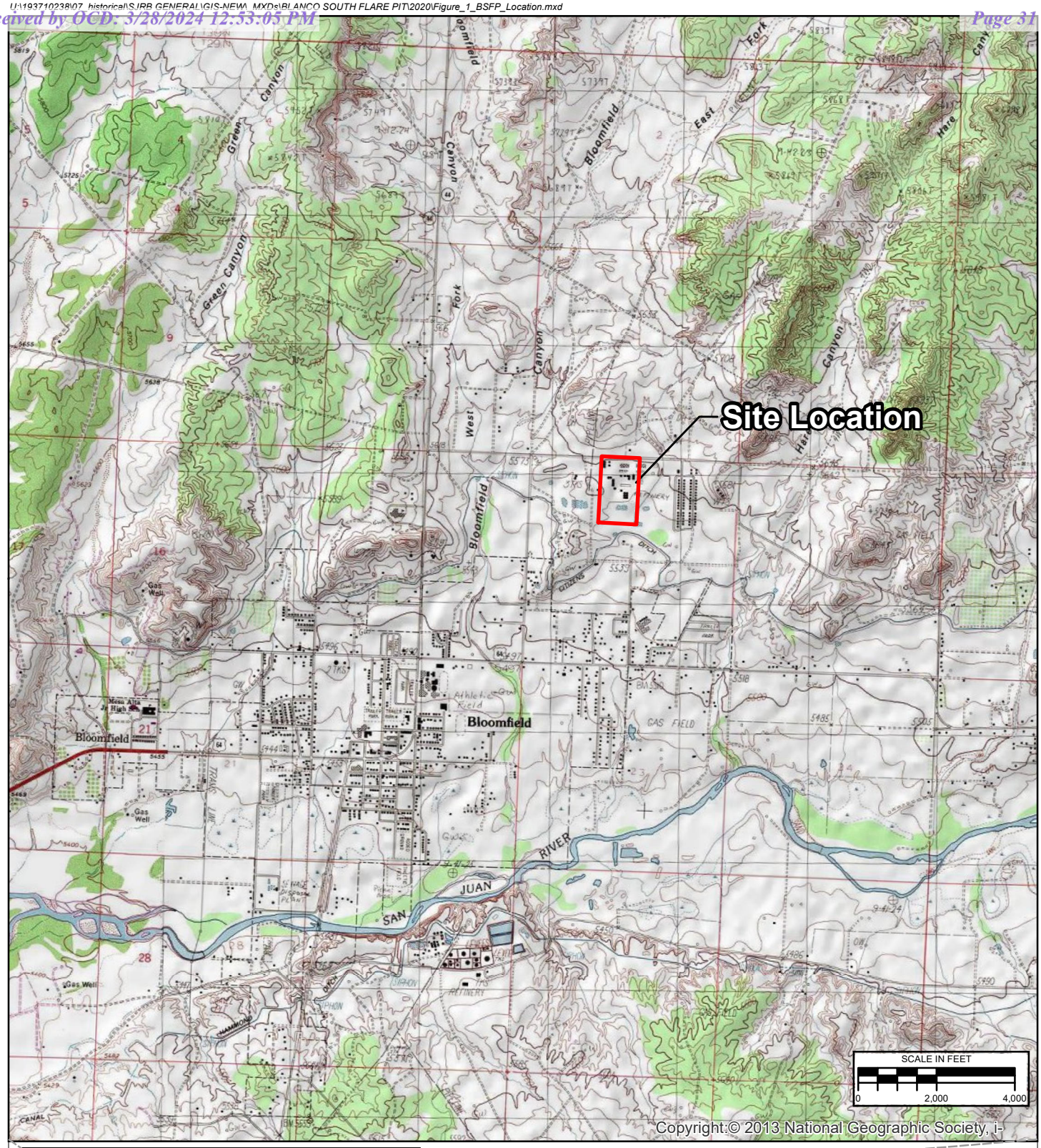
Monitoring Well	Sample Date	Nitrate as Nitrogen (mg/L)	
NMWQCC Standard (mg/L):		10	
MW-73 (cont.)	11/9/2021	23*	J-
	11/3/2022	27*	J-
	11/14/2023	64	J-
MW-74	2/11/2015	2.5	
	12/17/2015	0.90	
	12/14/2016	1.78	
	11/15/2017	1.34	
	11/15/2018	0.95	
	10/16/2019	9.66*	J
	11/18/2020	8.0*	J-
	11/9/2021	3.5*	
	11/3/2022	5.4*	
	11/14/2023	5.8	J-
MW-75	2/10/2015	54.8	
	12/17/2015	191	
	12/14/2016	64.4	
	11/15/2017	42.7	
	11/15/2018	71	
	10/16/2019	131*	J
	11/18/2020	68*	J+
	11/9/2021	65*	J-
	11/3/2022	61*	
	11/14/2023	86	J-
MW-76	2/11/2015	0.46	
	12/16/2015	0.40	
	12/14/2016	0.47	
	11/15/2017	0.81	
	11/15/2018	0.37	
	10/15/2019	0.42*	J
	11/18/2020	0.23*	J-
	119/2021	0.15*	
	11/3/2022	0.25*	
	11/14/2023	0.65	J-
MW-77	2/11/2015	54.8	
	12/17/2015	34.3	
	12/14/2016	4.15	
	11/15/2017	27.3	
	11/15/2018	24.9	
	10/16/2019	54.1*	J
	11/18/2020	62*	J-
	11/9/2021	55*	J-
	11/3/2022	56*	
	11/14/2023	84	J-
MW-78	2/11/2015	15.5	
	12/17/2015	13.5	
	12/14/2016	35.3	
	11/15/2017	24.2	
	11/15/2018	23.3	
	10/15/2019	13.9*	J

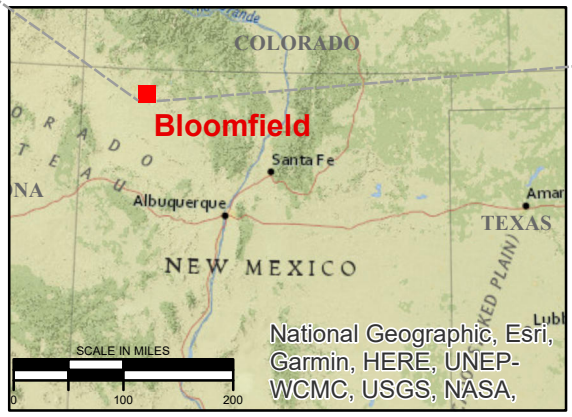
Table 3
Summary of Groundwater Nitrate Analytical Results
Blanco Gas Plant South Flare Pit - Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate as Nitrogen (mg/L)	
NMWQCC Standard (mg/L):		10	
MW-78 (cont.)	11/18/2020	**43***	**J-**
	11/9/2021	**34***	**J-**
	11/3/2022	**12***	
	11/14/2023	**11**	**J-**
MW-79	2/10/2015	**10**	
	12/17/2015	**18.4**	
	12/14/2016	**1.95**	
	11/15/2017	**1.06**	
	11/15/2018	**2.55**	
	10/15/2019	**14.9***	**J**
	11/18/2020	**0.66***	**J-**
	11/9/2021	**0.85***	
	11/3/2022	**0.36 J***	
	11/14/2023	**1.3**	**J-**
MW-80	2/10/2015	**24.4**	
	12/17/2015	**89.4**	
	12/14/2016	**92**	
	11/15/2017	**69.6**	
	11/15/2018	<1.7	
	10/15/2019	**92.7***	**J**
	11/18/2020	**110***	**J-**
	11/9/2021	**96***	**J-**
	11/3/2022	**88***	
	11/14/2023	**120**	**J-**
MW-81	2/11/2015	**15.7**	
	12/17/2015	**52.3**	
	12/14/2016	**34.6**	
	11/15/2017	**8.8**	
	11/15/2018	**41.3**	
	10/16/2019	**48.7***	**J**
	11/18/2020	**40***	**J-**
	11/9/2021	**43***	**J-**
	11/3/2022	**42***	
	11/14/2023	**49**	**J-**

Notes:
Bolded text indicates a detected concentration.
Highlighted cells and bolded text indicates the concentration exceeded the NMWQCC standard.
< = The analyte was not detected above the method detection limit.
* = Analyzed using EPA Method E300.0.
J = The analytical result is estimated.
J- = The analytical result was positively identified; the quantitation is an estimation with a potential low bias.
J+ = The analytical result was positively identified; the quantitation is an estimation with a potential high bias.
mg/L = milligrams per liter.
NMWQCC = New Mexico Water Quality Control Commission.
UJ = The analyte was analyzed for, but not detected. Due to a quality control deficiency identified during data validation the value reported may not accurately reflect the sample quantitation limit.
Analytical data from monitoring wells abandoned prior to 2018 have been removed from the table.

FIGURES





N

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

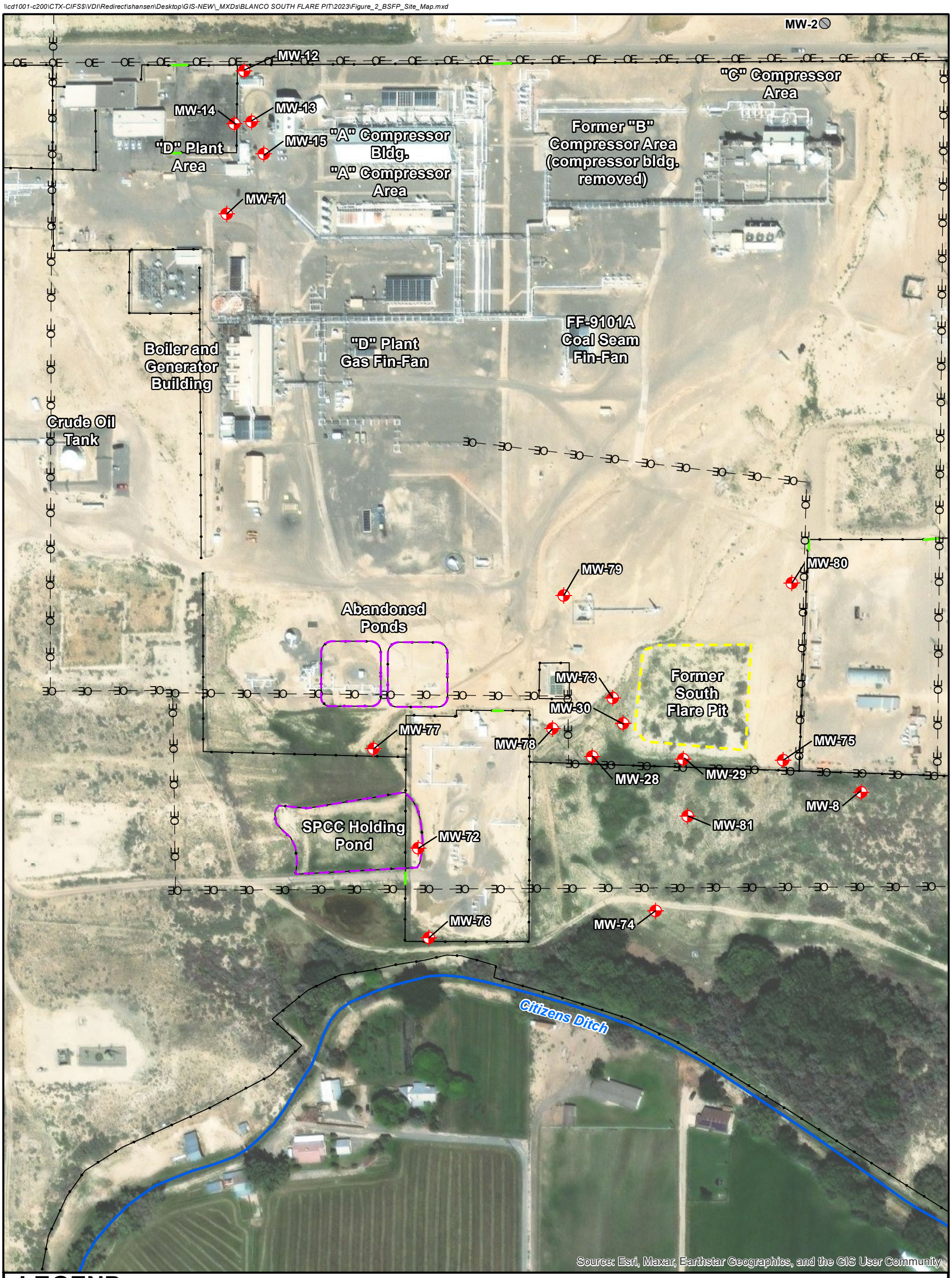
TITLE
SITE LOCATION

Stantec

PROJECT
BLANCO SOUTH FLARE PIT
BLOOMFIELD, NEW MEXICO

FIGURE
1

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\BLANCO SOUTH FLARE PIT\2023\Figure_2_BSFP_Site_Map.mxd



LEGEND

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

N

SCALE IN FEET

0 150 300

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-01	SAH	SAH	SRV

TITLE:

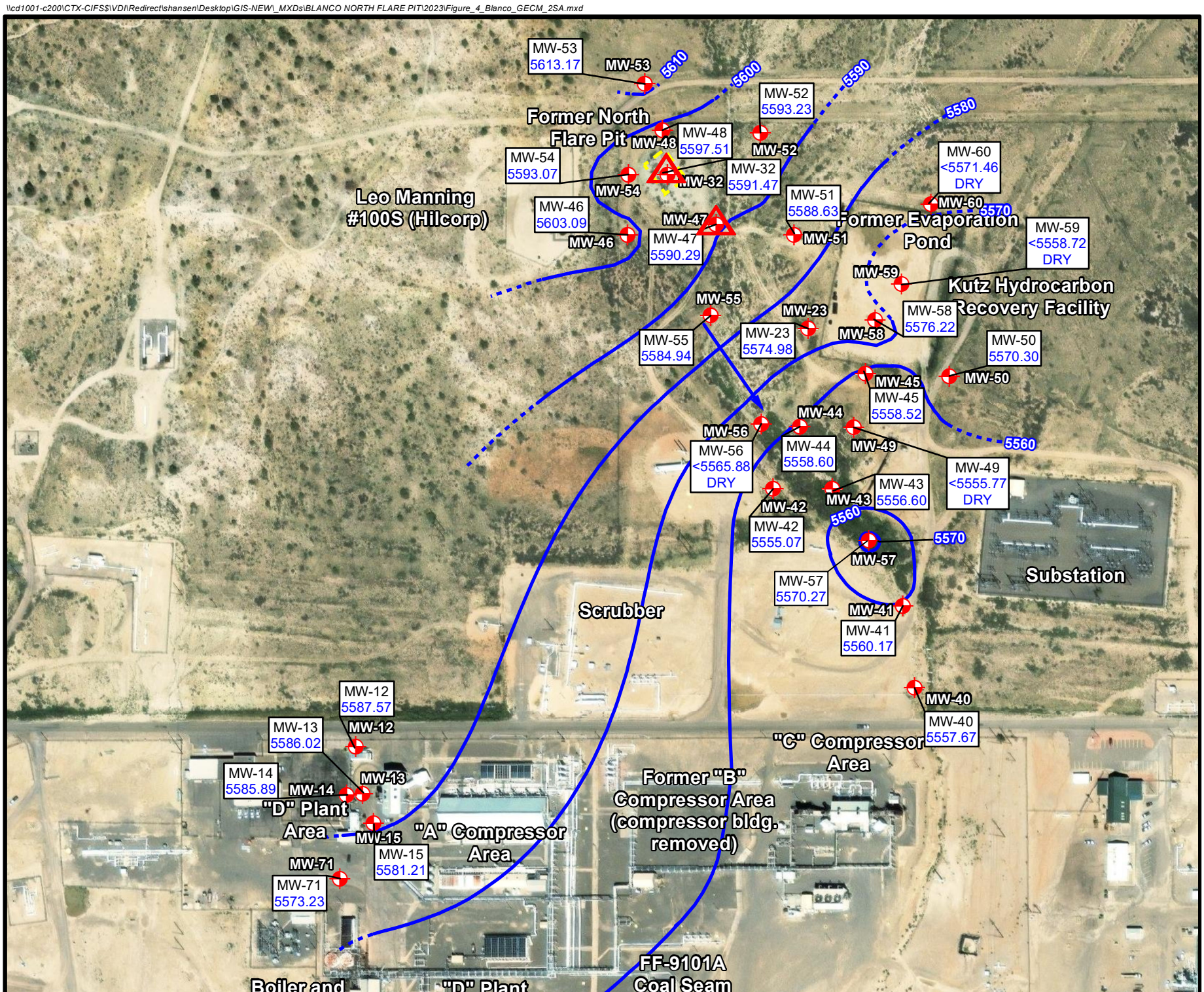
SITE MAP

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

Stantec

Figure No.: **2**

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\BLANCO NORTH FLARE PIT\2023\Figure_4_Blanco_GECM_2SA.mxd



LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASUREABLE LNAPL
- SITE FEATURE
- FLARE PIT
- 5548.77 GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).
- 5570 CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).
- DIRECTION OF APPARENT GROUNDWATER FLOW

NOTE:
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

N

SCALE IN FEET
0 200 400

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-03-01	SAH	SAH	SRV

TITLE:
GROUNDWATER ELEVATION MAP
NOVEMBER 10, 2023

PROJECT:
BLANCO PLANT
BLOOMFIELD, NEW MEXICO

Stantec

Figure No.:
3

\\cd1001-c200\CTX-CIFS$\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\BLANCO SOUTH FLARE PIT\2023\Figure_4_BSFP_GARM_2SA.mxd

LEGEND

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

EXPLANATION OF ANALYTES AND APPLICABLE STANDARDS:

RESULTS IN **BOLDFACE/RED** TYPE INDICATE CONCENTRATION IN EXCESS OF THE STANDARD FOR THAT ANALYTE.
mg/L = MILLIGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT
DUP = DUPLICATE SAMPLE RESULT
J- =THE ANALYTE WAS POSITIVELY IDENTIFIED; THE QUANTITATION IS AN ESTIMATION WITH A POTENTIAL LOW BIAS.

ANALYTE	NMWQCC STANDARD
Nitrate as Nitrogen	10 mg/L

N

SCALE IN FEET
0 150 300

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-02-06	SLG	SLG	SRV

TITLE:
GROUNDWATER ANALYTICAL RESULTS - NITRATE NOVEMBER 14, 2023

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

Stantec

Figure No.: **4**

APPENDICES

APPENDIX A

NMOCD Site Activity Notifications

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Wiley, Joe
Subject: El Paso Natural Gas Company - Blanco Gas Plant/South Flare Pit and D Plant Area, Bloomfield (Incident Number NAPP2110640022) - notice of upcoming groundwater sampling activities
Date: Thursday, November 2, 2023 6:27:18 AM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of groundwater sampling and monitoring activities at the above-referenced El Paso Natural Gas Company (EPNG) site. These activities are to occur on November 10 and 14, 2023.

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

Thank you,
Steve

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

APPENDIX B

Wastewater Disposal Documentation

envirotech

Bill of Lading

MANIFEST # 82578
GENERATOR El Paso
POINT OF ORIGIN Blanco Gas Plant - S. Flare Pit
TRANSPORTER Envirotech
DATE 11/16/23 JOB # 14073-0087

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tank bottoms			1	-	-	725	1430	[signature]
					1					

RESULTS			LANDFARM EMPLOYEE	NOTES
-272	CHLORIDE TEST	1	Cory Robinson	South Flare Pit
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receival ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		**By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.**	
Pass	PAINT FILTER TEST	1		

Generator Onsite Contact _____ Phone _____

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

SAN JUAN PRINTING 2021 407-3

envirotech

BOL# 82578

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/16/23 TIME 1430

CUSTOMER El Paso

SITE Blanco Gas Plant South Flare Pit

DRIVER Steven by Cory

SAMPLE Soil Straight _____ With Dirt X

CHLORIDE TEST 272 mg/Kg

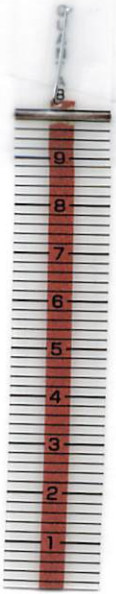
ACCEPTED YES X NO _____

PAINT FILTER TEST Time started 1430 Time completed 1441

PASS YES X NO _____

SAMPLER/ANALYST _____

Attach test strip here



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

APPENDIX C

Groundwater Laboratory Analytical Report

Stantec

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/28/2023 3:22:36 PM

JOB DESCRIPTION

Blanco South

JOB NUMBER

400-246961-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.

Eurofins Pensacola

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization

Generated
12/28/2023 3:22:36 PM

Authorized for release by
Isabel Enfinger, Project Manager I
isabel.enfinger@et.eurofinsus.com
Designee for
Cheyenne Whitmire, Project Manager II
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

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

Laboratory Job ID: 400-246961-1

Table of Contents

Case Narrative

Client: Stantec Consulting Services Inc
Project: Blanco South

Job ID: 400-246961-1

Job ID: 400-246961-1 Eurofins Pensacola

Job Narrative
400-246961-1

Receipt
The samples were received on 11/18/2023 7:50 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0º C.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 400-651610 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

General Chemistry
Method 353.2: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-12 (400-246961-2), MW-13 (400-246961-3), MW-13 (400-246961-3[MS]), MW-13 (400-246961-3[MSD]), MW-14 (400-246961-4), MW-15 (400-246961-5), MW-28 (400-246961-6), MW-29 (400-246961-7), MW-30 (400-246961-8), MW-71 (400-246961-9), MW-72 (400-246961-10), MW-73 (400-246961-11), MW-74 (400-246961-12), MW-75 (400-246961-13), MW-77 (400-246961-15), MW-78 (400-246961-16), MW-78 (400-246961-16[MS]), MW-78 (400-246961-16[MSD]), MW-80 (400-246961-18), MW-81 (400-246961-19), DUP-01 (400-246961-20), DUP-02 (400-246961-21), (400-246961-A-21 MS) and (400-246961-A-21 MSD). Elevated reporting limits (RLs) are provided.

Method 353.2: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-651440 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 353.2: An analytical batch is defined as up to 20 samples and requires a method blank (MB) and lab control sample (LCS) per batch. The instrument sequence allows for 80 analyses that cannot be parsed into separate batches, therefore multiple MB/LCS are included in the sequence for each set of 20. Since samples for this particular job overlap batches, multiple MB/LCS are reported accordingly. DUP-02 (400-246961-21)

Method 354.1: The following samples were received outside of holding time: MW-8 (400-246961-1), MW-12 (400-246961-2), MW-13 (400-246961-3), MW-13 (400-246961-3[MS]), MW-13 (400-246961-3[MSD]), MW-14 (400-246961-4), MW-15 (400-246961-5), MW-28 (400-246961-6), MW-29 (400-246961-7), MW-30 (400-246961-8), MW-71 (400-246961-9), MW-72 (400-246961-10), MW-73 (400-246961-11), MW-74 (400-246961-12), MW-75 (400-246961-13), MW-76 (400-246961-14), MW-77 (400-246961-15), MW-78 (400-246961-16), MW-78 (400-246961-16[MS]), MW-78 (400-246961-16[MSD]), MW-79 (400-246961-17), MW-80 (400-246961-18), MW-81 (400-246961-19), DUP-01 (400-246961-20) and DUP-02 (400-246961-21).

Method 354.1: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-14 (400-246961-4), MW-29 (400-246961-7), MW-30 (400-246961-8) and DUP-01 (400-246961-20). Elevated reporting limits (RLs) are provided.

Method 354.1: An analytical batch is defined as up to 20 samples and requires a method blank (MB) and lab control sample (LCS) per batch. The instrument sequence allows for 80 analyses that cannot be parsed into separate batches, therefore multiple MB/LCS are included in the sequence for each set of 20. Since samples for this particular job overlap batches, multiple MB/LCS are reported accordingly. MW-13 (400-246961-3)

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

Detection Summary

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

Job ID: 400-246961-1

Client Sample ID: MW-8 — Lab Sample ID: 400-246961-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.12	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.19		0.050	0.018	mg/L	1		353.2	Total/NA
Nitrite as N	0.069	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 400-246961-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.0013		0.0010	0.00050	mg/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.00053	J	0.0010	0.00020	mg/L	1		8260D	Total/NA
Trichloroethene	0.00059	J	0.0010	0.00015	mg/L	1		8260D	Total/NA
Nitrate as N	4.4	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	4.4		0.25	0.090	mg/L	5		353.2	Total/NA

Client Sample ID: MW-13 — Lab Sample ID: 400-246961-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.0035		0.0010	0.00050	mg/L	1		8260D	Total/NA
1,2-Dichlorobenzene	0.0013		0.0010	0.00050	mg/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.00041	J	0.0010	0.00020	mg/L	1		8260D	Total/NA
Trichloroethene	0.0014		0.0010	0.00015	mg/L	1		8260D	Total/NA
Nitrate as N	8.7	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	8.8		0.50	0.18	mg/L	10		353.2	Total/NA
Nitrite as N	0.092	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 400-246961-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.0013		0.0010	0.00050	mg/L	1		8260D	Total/NA
Nitrate as N	12	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	12		1.0	0.36	mg/L	20		353.2	Total/NA
Nitrite as N	0.21	H H3	0.20	0.036	mg/L	2		354.1	Total/NA

Client Sample ID: MW-15 — Lab Sample ID: 400-246961-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.0017		0.0010	0.00050	mg/L	1		8260D	Total/NA
Nitrate as N	18	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	18		2.5	0.90	mg/L	50		353.2	Total/NA
Nitrite as N	0.026	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-28 — Lab Sample ID: 400-246961-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	50	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	50		2.5	0.90	mg/L	50		353.2	Total/NA
Nitrite as N	0.049	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-29 — Lab Sample ID: 400-246961-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	99	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	99		5.0	1.8	mg/L	100		353.2	Total/NA
Nitrite as N	0.28	H H3	0.20	0.036	mg/L	2		354.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-246961-1

Client Sample ID: MW-30 — Lab Sample ID: 400-246961-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	17	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	17		2.5	0.90	mg/L	50		353.2	Total/NA
Nitrite as N	0.32	H H3	0.20	0.036	mg/L	2		354.1	Total/NA

Client Sample ID: MW-71 — Lab Sample ID: 400-246961-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	18	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	18		1.0	0.36	mg/L	20		353.2	Total/NA
Nitrite as N	0.087	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-72 — Lab Sample ID: 400-246961-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	8.6	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	8.6		0.50	0.18	mg/L	10		353.2	Total/NA
Nitrite as N	0.031	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-73 — Lab Sample ID: 400-246961-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	64	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	64		2.5	0.90	mg/L	50		353.2	Total/NA
Nitrite as N	0.069	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-74 — Lab Sample ID: 400-246961-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	5.8	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	5.8		0.25	0.090	mg/L	5		353.2	Total/NA
Nitrite as N	0.036	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-75 — Lab Sample ID: 400-246961-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	86	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	86		2.5	0.90	mg/L	50		353.2	Total/NA
Nitrite as N	0.064	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-76 — Lab Sample ID: 400-246961-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.65	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	0.65		0.050	0.018	mg/L	1		353.2	Total/NA

Client Sample ID: MW-77 — Lab Sample ID: 400-246961-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	84	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	84		2.5	0.90	mg/L	50		353.2	Total/NA
Nitrite as N	0.050	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 400-246961-1

Client Sample ID: MW-78 — Lab Sample ID: 400-246961-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	11	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	11		1.0	0.36	mg/L	20		353.2	Total/NA

Client Sample ID: MW-79 — Lab Sample ID: 400-246961-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	1.3	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	1.3		0.050	0.018	mg/L	1		353.2	Total/NA
Nitrite as N	0.023	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: MW-80 — Lab Sample ID: 400-246961-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	120	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	120		5.0	1.8	mg/L	100		353.2	Total/NA

Client Sample ID: MW-81 — Lab Sample ID: 400-246961-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	49	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	49		2.5	0.90	mg/L	50		353.2	Total/NA
Nitrite as N	0.080	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: DUP-01 — Lab Sample ID: 400-246961-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.0017		0.0010	0.00050	mg/L	1		8260D	Total/NA
Nitrate as N	12	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	12		1.0	0.36	mg/L	20		353.2	Total/NA
Nitrite as N	0.23	H H3	0.20	0.036	mg/L	2		354.1	Total/NA

Client Sample ID: DUP-02 — Lab Sample ID: 400-246961-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	50	H H3	0.050	0.018	mg/L	1		353.2	Total/NA
Nitrate Nitrite as N	50		2.5	0.90	mg/L	50		353.2	Total/NA
Nitrite as N	0.049	J H H3	0.10	0.018	mg/L	1		354.1	Total/NA

Client Sample ID: TB-01 — Lab Sample ID: 400-246961-22

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

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

Job ID: 400-246961-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
353.2	Nitrate by Calculation	EPA	EET PEN
353.2	Nitrogen, Nitrate-Nitrite	EPA	EET PEN
354.1	Nitrogen, Nitrite	EPA	EET PEN
5030C	Purge and Trap	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-246961-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246961-1	MW-8	Water	11/14/23 10:34	11/18/23 07:50
400-246961-2	MW-12	Water	11/14/23 08:59	11/18/23 07:50
400-246961-3	MW-13	Water	11/14/23 08:38	11/18/23 07:50
400-246961-4	MW-14	Water	11/14/23 11:00	11/18/23 07:50
400-246961-5	MW-15	Water	11/14/23 08:27	11/18/23 07:50
400-246961-6	MW-28	Water	11/14/23 09:45	11/18/23 07:50
400-246961-7	MW-29	Water	11/14/23 09:28	11/18/23 07:50
400-246961-8	MW-30	Water	11/14/23 09:33	11/18/23 07:50
400-246961-9	MW-71	Water	11/14/23 08:05	11/18/23 07:50
400-246961-10	MW-72	Water	11/14/23 10:07	11/18/23 07:50
400-246961-11	MW-73	Water	11/14/23 09:39	11/18/23 07:50
400-246961-12	MW-74	Water	11/14/23 10:27	11/18/23 07:50
400-246961-13	MW-75	Water	11/14/23 09:23	11/18/23 07:50
400-246961-14	MW-76	Water	11/14/23 10:12	11/18/23 07:50
400-246961-15	MW-77	Water	11/14/23 10:01	11/18/23 07:50
400-246961-16	MW-78	Water	11/14/23 09:52	11/18/23 07:50
400-246961-17	MW-79	Water	11/14/23 09:08	11/18/23 07:50
400-246961-18	MW-80	Water	11/14/23 09:16	11/18/23 07:50
400-246961-19	MW-81	Water	11/14/23 10:45	11/18/23 07:50
400-246961-20	DUP-01	Water	11/14/23 12:00	11/18/23 07:50
400-246961-21	DUP-02	Water	11/14/23 12:00	11/18/23 07:50
400-246961-22	TB-01	Water	11/14/23 07:30	11/18/23 07:50

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-8

Date Collected: 11/14/23 10:34
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-1

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.12	H H3	0.050	0.018	mg/L			11/21/23 18:49	1
Nitrate Nitrite as N (EPA 353.2)	0.19		0.050	0.018	mg/L			11/22/23 09:46	1
Nitrite as N (EPA 354.1)	0.069	J H H3	0.10	0.018	mg/L			11/21/23 18:49	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-12

Date Collected: 11/14/23 08:59
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00050	U	0.0010	0.00050	mg/L			11/24/23 12:45	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 12:45	1
1,2-Dichlorobenzene	**0.0013**		0.0010	0.00050	mg/L			11/24/23 12:45	1
cis-1,2-Dichloroethene	**0.00053**	**J**	0.0010	0.00020	mg/L			11/24/23 12:45	1
Tetrachloroethene	0.00090	U	0.0010	0.00090	mg/L			11/24/23 12:45	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 12:45	1
Trichloroethene	**0.00059**	**J**	0.0010	0.00015	mg/L			11/24/23 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 130*		*11/24/23 12:45*	*1*
Dibromofluoromethane	*90*		*75 - 126*		*11/24/23 12:45*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/24/23 12:45*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**4.4**	**H H3**	0.050	0.018	mg/L			11/21/23 18:49	1
Nitrate Nitrite as N (EPA 353.2)	**4.4**		0.25	0.090	mg/L			11/22/23 09:47	5
Nitrite as N (EPA 354.1)	0.018	U H H3	0.10	0.018	mg/L			11/21/23 18:49	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-13

Date Collected: 11/14/23 08:38
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.0035**		0.0010	0.00050	mg/L			11/24/23 11:13	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 11:13	1
1,2-Dichlorobenzene	**0.0013**		0.0010	0.00050	mg/L			11/24/23 11:13	1
cis-1,2-Dichloroethene	**0.00041**	**J**	0.0010	0.00020	mg/L			11/24/23 11:13	1
Tetrachloroethene	0.00090	U	0.0010	0.00090	mg/L			11/24/23 11:13	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 11:13	1
Trichloroethene	**0.0014**		0.0010	0.00015	mg/L			11/24/23 11:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*11/24/23 11:13*	*1*
Dibromofluoromethane	*92*		*75 - 126*		*11/24/23 11:13*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/24/23 11:13*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**8.7**	**H H3**	0.050	0.018	mg/L			11/21/23 18:47	1
Nitrate Nitrite as N (EPA 353.2)	**8.8**		0.50	0.18	mg/L			11/22/23 09:41	10
Nitrite as N (EPA 354.1)	**0.092**	**J H H3**	0.10	0.018	mg/L			11/21/23 18:47	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-14

Date Collected: 11/14/23 11:00
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.0013**		0.0010	0.00050	mg/L			11/24/23 13:04	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:04	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:04	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/24/23 13:04	1
Tetrachloroethene	0.00090	U	0.0010	0.00090	mg/L			11/24/23 13:04	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:04	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/24/23 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*11/24/23 13:04*	*1*
Dibromofluoromethane	*89*		*75 - 126*		*11/24/23 13:04*	*1*
Toluene-d8 (Surr)	*98*		*64 - 132*		*11/24/23 13:04*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**12**	**H H3**	0.050	0.018	mg/L			11/21/23 18:49	1
Nitrate Nitrite as N (EPA 353.2)	**12**		1.0	0.36	mg/L			11/22/23 09:49	20
Nitrite as N (EPA 354.1)	**0.21**	**H H3**	0.20	0.036	mg/L			11/21/23 19:15	2

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-15

Date Collected: 11/14/23 08:27
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.0017**		0.0010	0.00050	mg/L			11/24/23 13:22	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:22	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:22	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/24/23 13:22	1
Tetrachloroethene	0.00090	U	0.0010	0.00090	mg/L			11/24/23 13:22	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:22	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/24/23 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*72 - 130*		*11/24/23 13:22*	*1*
Dibromofluoromethane	*93*		*75 - 126*		*11/24/23 13:22*	*1*
Toluene-d8 (Surr)	*97*		*64 - 132*		*11/24/23 13:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**18**	**H H3**	0.050	0.018	mg/L			11/21/23 18:50	1
Nitrate Nitrite as N (EPA 353.2)	**18**		2.5	0.90	mg/L			11/22/23 09:51	50
Nitrite as N (EPA 354.1)	**0.026**	**J H H3**	0.10	0.018	mg/L			11/21/23 18:50	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-28

Date Collected: 11/14/23 09:45
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-6

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	50	H H3	0.050	0.018	mg/L			11/21/23 18:50	1
Nitrate Nitrite as N (EPA 353.2)	50		2.5	0.90	mg/L			11/22/23 09:52	50
Nitrite as N (EPA 354.1)	0.049	J H H3	0.10	0.018	mg/L			11/21/23 18:50	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-29

Date Collected: 11/14/23 09:28
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-7

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	99	H H3	0.050	0.018	mg/L			11/21/23 18:51	1
Nitrate Nitrite as N (EPA 353.2)	99		5.0	1.8	mg/L			11/22/23 10:44	100
Nitrite as N (EPA 354.1)	0.28	H H3	0.20	0.036	mg/L			11/21/23 19:15	2

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-30

Date Collected: 11/14/23 09:33
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-8

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	17	H H3	0.050	0.018	mg/L			11/21/23 18:51	1
Nitrate Nitrite as N (EPA 353.2)	17		2.5	0.90	mg/L			11/22/23 09:56	50
Nitrite as N (EPA 354.1)	0.32	H H3	0.20	0.036	mg/L			11/21/23 19:16	2

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-71

Date Collected: 11/14/23 08:05
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-9

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	18	H H3	0.050	0.018	mg/L			11/21/23 18:51	1
Nitrate Nitrite as N (EPA 353.2)	18		1.0	0.36	mg/L			11/22/23 09:57	20
Nitrite as N (EPA 354.1)	0.087	J H H3	0.10	0.018	mg/L			11/21/23 18:51	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-72

Date Collected: 11/14/23 10:07
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-10

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	8.6	H H3	0.050	0.018	mg/L			11/21/23 18:52	1
Nitrate Nitrite as N (EPA 353.2)	8.6		0.50	0.18	mg/L			11/22/23 09:59	10
Nitrite as N (EPA 354.1)	0.031	J H H3	0.10	0.018	mg/L			11/21/23 18:52	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-73

Date Collected: 11/14/23 09:39
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-11

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	64	H H3	0.050	0.018	mg/L			11/21/23 18:54	1
Nitrate Nitrite as N (EPA 353.2)	64		2.5	0.90	mg/L			11/22/23 10:05	50
Nitrite as N (EPA 354.1)	0.069	J H H3	0.10	0.018	mg/L			11/21/23 18:54	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-74

Date Collected: 11/14/23 10:27
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-12

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	5.8	H H3	0.050	0.018	mg/L			11/21/23 18:55	1
Nitrate Nitrite as N (EPA 353.2)	5.8		0.25	0.090	mg/L			11/22/23 10:07	5
Nitrite as N (EPA 354.1)	0.036	J H H3	0.10	0.018	mg/L			11/21/23 18:55	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-75

Date Collected: 11/14/23 09:23
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-13

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	86	H H3	0.050	0.018	mg/L			11/21/23 18:55	1
Nitrate Nitrite as N (EPA 353.2)	86		2.5	0.90	mg/L			11/22/23 10:08	50
Nitrite as N (EPA 354.1)	0.064	J H H3	0.10	0.018	mg/L			11/21/23 18:55	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-76

Date Collected: 11/14/23 10:12
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-14

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**0.65**	**H H3**	0.050	0.018	mg/L			11/21/23 18:55	1
Nitrate Nitrite as N (EPA 353.2)	**0.65**		0.050	0.018	mg/L			11/22/23 10:10	1
Nitrite as N (EPA 354.1)	0.018	U H H3	0.10	0.018	mg/L			11/21/23 18:55	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-77

Date Collected: 11/14/23 10:01
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-15

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	84	H H3	0.050	0.018	mg/L			11/21/23 18:56	1
Nitrate Nitrite as N (EPA 353.2)	84		2.5	0.90	mg/L			11/22/23 10:11	50
Nitrite as N (EPA 354.1)	0.050	J H H3	0.10	0.018	mg/L			11/21/23 18:56	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-78

Date Collected: 11/14/23 09:52
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-16

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**11**	**H H3**	0.050	0.018	mg/L			11/21/23 18:53	1
Nitrate Nitrite as N (EPA 353.2)	**11**		1.0	0.36	mg/L			11/22/23 10:00	20
Nitrite as N (EPA 354.1)	0.018	U H H3	0.10	0.018	mg/L			11/21/23 18:53	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-79

Date Collected: 11/14/23 09:08
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-17

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	1.3	H H3	0.050	0.018	mg/L			11/21/23 18:56	1
Nitrate Nitrite as N (EPA 353.2)	1.3		0.050	0.018	mg/L			11/22/23 10:13	1
Nitrite as N (EPA 354.1)	0.023	J H H3	0.10	0.018	mg/L			11/21/23 18:56	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-80

Date Collected: 11/14/23 09:16
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-18

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**120**	**H H3**	0.050	0.018	mg/L			11/21/23 18:57	1
Nitrate Nitrite as N (EPA 353.2)	**120**		5.0	1.8	mg/L			11/22/23 10:45	100
Nitrite as N (EPA 354.1)	0.018	U H H3	0.10	0.018	mg/L			11/21/23 18:57	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: MW-81

Date Collected: 11/14/23 10:45
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-19

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	49	H H3	0.050	0.018	mg/L			11/21/23 18:57	1
Nitrate Nitrite as N (EPA 353.2)	49		2.5	0.90	mg/L			11/22/23 10:16	50
Nitrite as N (EPA 354.1)	0.080	J H H3	0.10	0.018	mg/L			11/21/23 18:57	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: DUP-01

Date Collected: 11/14/23 12:00
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-20

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**0.0017**		0.0010	0.00050	mg/L			11/24/23 13:41	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:41	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:41	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/24/23 13:41	1
Tetrachloroethene	0.00090	U	0.0010	0.00090	mg/L			11/24/23 13:41	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 13:41	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/24/23 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*72 - 130*		*11/24/23 13:41*	*1*
Dibromofluoromethane	*94*		*75 - 126*		*11/24/23 13:41*	*1*
Toluene-d8 (Surr)	*95*		*64 - 132*		*11/24/23 13:41*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	**12**	**H H3**	0.050	0.018	mg/L			11/21/23 18:57	1
Nitrate Nitrite as N (EPA 353.2)	**12**		1.0	0.36	mg/L			11/22/23 10:18	20
Nitrite as N (EPA 354.1)	**0.23**	**H H3**	0.20	0.036	mg/L			11/21/23 19:16	2

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: DUP-02

Date Collected: 11/14/23 12:00
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-21

Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	50	H H3	0.050	0.018	mg/L			11/21/23 18:59	1
Nitrate Nitrite as N (EPA 353.2)	50		2.5	0.90	mg/L			11/22/23 10:19	50
Nitrite as N (EPA 354.1)	0.049	J H H3	0.10	0.018	mg/L			11/21/23 18:59	1

Client Sample Results

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

Job ID: 400-246961-1

Client Sample ID: TB-01

Date Collected: 11/14/23 07:30
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-22

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00050	U	0.0010	0.00050	mg/L			11/24/23 12:27	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 12:27	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 12:27	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/24/23 12:27	1
Tetrachloroethene	0.00090	U	0.0010	0.00090	mg/L			11/24/23 12:27	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 12:27	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/24/23 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 130*		*11/24/23 12:27*	*1*
Dibromofluoromethane	*89*		*75 - 126*		*11/24/23 12:27*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/24/23 12:27*	*1*

Definitions/Glossary

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

Job ID: 400-246961-1

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.

General Chemistry

Qualifier	Qualifier Description
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.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
H3	Sample was received and analyzed past holding time. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Surrogate Summary

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

Job ID: 400-246961-1

Method: 8260D - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(72-130)	(75-126)	(64-132)
400-246961-2	MW-12	96	90	98
400-246961-3	MW-13	95	92	98
400-246961-3 MS	MW-13	104	87	100
400-246961-3 MSD	MW-13	105	88	102
400-246961-4	MW-14	95	89	98
400-246961-5	MW-15	92	93	97
400-246961-20	DUP-01	95	94	95
400-246961-22	TB-01	96	89	99
LCS 400-651610/1002	Lab Control Sample	101	87	99
MB 400-651610/5	Method Blank	96	91	99

Surrogate Legend

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

Lab Chronicle

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

Job ID: 400-246961-1

Client Sample ID: MW-8
Date Collected: 11/14/23 10:34
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-1
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	353.2		1			651507	11/21/23 18:49	KWS	EET PEN
Total/NA	Analysis	353.2		1	5 mL	5 mL	651440	11/22/23 09:46	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:49	DEK	EET PEN

Client Sample ID: MW-12
Date Collected: 11/14/23 08:59
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-2
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	8260D		1	5 mL	5 mL	651610	11/24/23 12:45	CAR	EET PEN
Total/NA	Analysis	353.2		1			651507	11/21/23 18:49	KWS	EET PEN
Total/NA	Analysis	353.2		5	5 mL	5 mL	651440	11/22/23 09:47	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:49	DEK	EET PEN

Client Sample ID: MW-13
Date Collected: 11/14/23 08:38
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-3
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	8260D		1	5 mL	5 mL	651610	11/24/23 11:13	CAR	EET PEN
Total/NA	Analysis	353.2		1			651507	11/21/23 18:47	KWS	EET PEN
Total/NA	Analysis	353.2		10	5 mL	5 mL	651440	11/22/23 09:41	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:47	DEK	EET PEN

Client Sample ID: MW-14
Date Collected: 11/14/23 11:00
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-4
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	8260D		1	5 mL	5 mL	651610	11/24/23 13:04	CAR	EET PEN
Total/NA	Analysis	353.2		1			651507	11/21/23 18:49	KWS	EET PEN
Total/NA	Analysis	353.2		20	5 mL	5 mL	651440	11/22/23 09:49	DEK	EET PEN
Total/NA	Analysis	354.1		2	10 mL	10 mL	651461	11/21/23 19:15	DEK	EET PEN

Client Sample ID: MW-15
Date Collected: 11/14/23 08:27
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-5
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	8260D		1	5 mL	5 mL	651610	11/24/23 13:22	CAR	EET PEN
Total/NA	Analysis	353.2		1			651507	11/21/23 18:50	KWS	EET PEN
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 09:51	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:50	DEK	EET PEN

Lab Chronicle

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

Job ID: 400-246961-1

Client Sample ID: MW-28
Date Collected: 11/14/23 09:45
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-6
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	353.2		1			651507	11/21/23 18:50	KWS	EET PEN
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 09:52	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:50	DEK	EET PEN

Client Sample ID: MW-29
Date Collected: 11/14/23 09:28
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-7
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	353.2		1			651507	11/21/23 18:51	KWS	EET PEN
Total/NA	Analysis	353.2		100	5 mL	5 mL	651440	11/22/23 10:44	DEK	EET PEN
Total/NA	Analysis	354.1		2	10 mL	10 mL	651461	11/21/23 19:15	DEK	EET PEN

Client Sample ID: MW-30
Date Collected: 11/14/23 09:33
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-8
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	353.2		1			651507	11/21/23 18:51	KWS	EET PEN
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 09:56	DEK	EET PEN
Total/NA	Analysis	354.1		2	10 mL	10 mL	651461	11/21/23 19:16	DEK	EET PEN

Client Sample ID: MW-71
Date Collected: 11/14/23 08:05
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-9
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	353.2		1			651507	11/21/23 18:51	KWS	EET PEN
Total/NA	Analysis	353.2		20	5 mL	5 mL	651440	11/22/23 09:57	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:51	DEK	EET PEN

Client Sample ID: MW-72
Date Collected: 11/14/23 10:07
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-10
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	353.2		1			651507	11/21/23 18:52	KWS	EET PEN
Total/NA	Analysis	353.2		10	5 mL	5 mL	651440	11/22/23 09:59	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:52	DEK	EET PEN

Lab Chronicle

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

Job ID: 400-246961-1

Client Sample ID: MW-73
Date Collected: 11/14/23 09:39
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-11
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	353.2		1			651507	11/21/23 18:54	KWS	EET PEN
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 10:05	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:54	DEK	EET PEN

Client Sample ID: MW-74
Date Collected: 11/14/23 10:27
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-12
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	353.2		1			651507	11/21/23 18:55	KWS	EET PEN
Total/NA	Analysis	353.2		5	5 mL	5 mL	651440	11/22/23 10:07	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:55	DEK	EET PEN

Client Sample ID: MW-75
Date Collected: 11/14/23 09:23
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:55	KWS	EET PEN
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 10:08	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:55	DEK	EET PEN

Client Sample ID: MW-76
Date Collected: 11/14/23 10:12
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-14
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:55	KWS	EET PEN
Total/NA	Analysis	353.2		1	5 mL	5 mL	651440	11/22/23 10:10	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:55	DEK	EET PEN

Client Sample ID: MW-77
Date Collected: 11/14/23 10:01
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-15
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:56	KWS	EET PEN
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 10:11	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:56	DEK	EET PEN

Lab Chronicle

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

Job ID: 400-246961-1

Client Sample ID: MW-78
Date Collected: 11/14/23 09:52
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-16
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:53	KWS	EET PEN
Total/NA	Analysis	353.2		20	5 mL	5 mL	651440	11/22/23 10:00	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:53	DEK	EET PEN

Client Sample ID: MW-79
Date Collected: 11/14/23 09:08
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-17
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:56	KWS	EET PEN
Total/NA	Analysis	353.2		1	5 mL	5 mL	651440	11/22/23 10:13	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:56	DEK	EET PEN

Client Sample ID: MW-80
Date Collected: 11/14/23 09:16
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-18
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:57	KWS	EET PEN
Total/NA	Analysis	353.2		100	5 mL	5 mL	651440	11/22/23 10:45	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:57	DEK	EET PEN

Client Sample ID: MW-81
Date Collected: 11/14/23 10:45
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:57	KWS	EET PEN
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 10:16	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:57	DEK	EET PEN

Client Sample ID: DUP-01
Date Collected: 11/14/23 12:00
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-20
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651610	11/24/23 13:41	CAR	EET PEN
Total/NA	Analysis	353.2		1			651507	11/21/23 18:57	KWS	EET PEN
Total/NA	Analysis	353.2		20	5 mL	5 mL	651440	11/22/23 10:18	DEK	EET PEN
Total/NA	Analysis	354.1		2	10 mL	10 mL	651461	11/21/23 19:16	DEK	EET PEN

Lab Chronicle

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

Job ID: 400-246961-1

Client Sample ID: DUP-02
Date Collected: 11/14/23 12:00
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:59	KWS	EET PEN
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 10:19	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:59	DEK	EET PEN

Client Sample ID: TB-01
Date Collected: 11/14/23 07:30
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651610	11/24/23 12:27	CAR	EET PEN

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

Lab Sample ID: MB 400-651440/35
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	353.2		1	5 mL	5 mL	651440	11/21/23 21:23	DEK	EET PEN

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

Lab Sample ID: MB 400-651440/92
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	353.2		1	5 mL	5 mL	651440	11/21/23 22:51	DEK	EET PEN

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

Lab Sample ID: MB 400-651461/13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:46	DEK	EET PEN

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

Lab Sample ID: MB 400-651461/44
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	354.1		1	10 mL	10 mL	651461	11/21/23 18:59	DEK	EET PEN

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

Lab Sample ID: MB 400-651610/5
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	8260D		1	5 mL	5 mL	651610	11/24/23 10:54	CAR	EET PEN

Lab Chronicle

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

Job ID: 400-246961-1

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-651440/36**
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	353.2		1	5 mL	5 mL	651440	11/21/23 21:25	DEK	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-651440/93**
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	353.2		1	5 mL	5 mL	651440	11/21/23 22:52	DEK	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-651461/14**
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	354.1		1	10 mL	10 mL	651461	11/21/23 18:47	DEK	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-651461/45**
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	354.1		1	10 mL	10 mL	651461	11/21/23 18:59	DEK	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: LCS 400-651610/1002**
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	8260D		1	5 mL	5 mL	651610	11/24/23 09:41	CAR	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-651440/37**
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	353.2		1	5 mL	5 mL	651440	11/21/23 21:26	DEK	EET PEN

Client Sample ID: Lab Control Sample — **Lab Sample ID: MRL 400-651461/15**
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	354.1		1	10 mL	10 mL	651461	11/21/23 18:47	DEK	EET PEN

Lab Chronicle

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

Job ID: 400-246961-1

Client Sample ID: MW-13
Date Collected: 11/14/23 08:38
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-3 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651610	11/24/23 11:31	CAR	EET PEN
Total/NA	Analysis	353.2		1			651507	11/21/23 18:48	KWS	EET PEN
Total/NA	Analysis	353.2		10	5 mL	5 mL	651440	11/22/23 09:43	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:48	DEK	EET PEN

Client Sample ID: MW-13
Date Collected: 11/14/23 08:38
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-3 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	651610	11/24/23 11:50	CAR	EET PEN
Total/NA	Analysis	353.2		1			651507	11/21/23 18:48	KWS	EET PEN
Total/NA	Analysis	353.2		10	5 mL	5 mL	651440	11/22/23 09:44	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:48	DEK	EET PEN

Client Sample ID: MW-78
Date Collected: 11/14/23 09:52
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-16 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:53	KWS	EET PEN
Total/NA	Analysis	353.2		20	5 mL	5 mL	651440	11/22/23 10:02	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:53	DEK	EET PEN

Client Sample ID: MW-78
Date Collected: 11/14/23 09:52
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-16 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		1			651507	11/21/23 18:54	KWS	EET PEN
Total/NA	Analysis	353.2		20	5 mL	5 mL	651440	11/22/23 10:03	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 18:54	DEK	EET PEN

Client Sample ID: DUP-02
Date Collected: 11/14/23 12:00
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-21 MS
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 10:21	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 19:00	DEK	EET PEN

Lab Chronicle

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

Job ID: 400-246961-1

Client Sample ID: DUP-02
Date Collected: 11/14/23 12:00
Date Received: 11/18/23 07:50

Lab Sample ID: 400-246961-21 MSD
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2		50	5 mL	5 mL	651440	11/22/23 10:22	DEK	EET PEN
Total/NA	Analysis	354.1		1	10 mL	10 mL	651461	11/21/23 19:00	DEK	EET PEN

Laboratory References:

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

QC Association Summary

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

Job ID: 400-246961-1

GC/MS VOA

Analysis Batch: 651610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246961-2	MW-12	Total/NA	Water	8260D	
400-246961-3	MW-13	Total/NA	Water	8260D	
400-246961-4	MW-14	Total/NA	Water	8260D	
400-246961-5	MW-15	Total/NA	Water	8260D	
400-246961-20	DUP-01	Total/NA	Water	8260D	
400-246961-22	TB-01	Total/NA	Water	8260D	
MB 400-651610/5	Method Blank	Total/NA	Water	8260D	
LCS 400-651610/1002	Lab Control Sample	Total/NA	Water	8260D	
400-246961-3 MS	MW-13	Total/NA	Water	8260D	
400-246961-3 MSD	MW-13	Total/NA	Water	8260D	

General Chemistry

Analysis Batch: 651440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246961-1	MW-8	Total/NA	Water	353.2	
400-246961-2	MW-12	Total/NA	Water	353.2	
400-246961-3	MW-13	Total/NA	Water	353.2	
400-246961-4	MW-14	Total/NA	Water	353.2	
400-246961-5	MW-15	Total/NA	Water	353.2	
400-246961-6	MW-28	Total/NA	Water	353.2	
400-246961-7	MW-29	Total/NA	Water	353.2	
400-246961-8	MW-30	Total/NA	Water	353.2	
400-246961-9	MW-71	Total/NA	Water	353.2	
400-246961-10	MW-72	Total/NA	Water	353.2	
400-246961-11	MW-73	Total/NA	Water	353.2	
400-246961-12	MW-74	Total/NA	Water	353.2	
400-246961-13	MW-75	Total/NA	Water	353.2	
400-246961-14	MW-76	Total/NA	Water	353.2	
400-246961-15	MW-77	Total/NA	Water	353.2	
400-246961-16	MW-78	Total/NA	Water	353.2	
400-246961-17	MW-79	Total/NA	Water	353.2	
400-246961-18	MW-80	Total/NA	Water	353.2	
400-246961-19	MW-81	Total/NA	Water	353.2	
400-246961-20	DUP-01	Total/NA	Water	353.2	
400-246961-21	DUP-02	Total/NA	Water	353.2	
MB 400-651440/35	Method Blank	Total/NA	Water	353.2	
MB 400-651440/92	Method Blank	Total/NA	Water	353.2	
LCS 400-651440/36	Lab Control Sample	Total/NA	Water	353.2	
LCS 400-651440/93	Lab Control Sample	Total/NA	Water	353.2	
MRL 400-651440/37	Lab Control Sample	Total/NA	Water	353.2	
400-246961-3 MS	MW-13	Total/NA	Water	353.2	
400-246961-3 MSD	MW-13	Total/NA	Water	353.2	
400-246961-16 MS	MW-78	Total/NA	Water	353.2	
400-246961-16 MSD	MW-78	Total/NA	Water	353.2	
400-246961-21 MS	DUP-02	Total/NA	Water	353.2	
400-246961-21 MSD	DUP-02	Total/NA	Water	353.2	

Analysis Batch: 651461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246961-1	MW-8	Total/NA	Water	354.1	

QC Association Summary

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

Job ID: 400-246961-1

General Chemistry (Continued)

Analysis Batch: 651461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246961-2	MW-12	Total/NA	Water	354.1	
400-246961-3	MW-13	Total/NA	Water	354.1	
400-246961-4	MW-14	Total/NA	Water	354.1	
400-246961-5	MW-15	Total/NA	Water	354.1	
400-246961-6	MW-28	Total/NA	Water	354.1	
400-246961-7	MW-29	Total/NA	Water	354.1	
400-246961-8	MW-30	Total/NA	Water	354.1	
400-246961-9	MW-71	Total/NA	Water	354.1	
400-246961-10	MW-72	Total/NA	Water	354.1	
400-246961-11	MW-73	Total/NA	Water	354.1	
400-246961-12	MW-74	Total/NA	Water	354.1	
400-246961-13	MW-75	Total/NA	Water	354.1	
400-246961-14	MW-76	Total/NA	Water	354.1	
400-246961-15	MW-77	Total/NA	Water	354.1	
400-246961-16	MW-78	Total/NA	Water	354.1	
400-246961-17	MW-79	Total/NA	Water	354.1	
400-246961-18	MW-80	Total/NA	Water	354.1	
400-246961-19	MW-81	Total/NA	Water	354.1	
400-246961-20	DUP-01	Total/NA	Water	354.1	
400-246961-21	DUP-02	Total/NA	Water	354.1	
MB 400-651461/13	Method Blank	Total/NA	Water	354.1	
MB 400-651461/44	Method Blank	Total/NA	Water	354.1	
LCS 400-651461/14	Lab Control Sample	Total/NA	Water	354.1	
LCS 400-651461/45	Lab Control Sample	Total/NA	Water	354.1	
MRL 400-651461/15	Lab Control Sample	Total/NA	Water	354.1	
400-246961-3 MS	MW-13	Total/NA	Water	354.1	
400-246961-3 MSD	MW-13	Total/NA	Water	354.1	
400-246961-16 MS	MW-78	Total/NA	Water	354.1	
400-246961-16 MSD	MW-78	Total/NA	Water	354.1	
400-246961-21 MS	DUP-02	Total/NA	Water	354.1	
400-246961-21 MSD	DUP-02	Total/NA	Water	354.1	

Analysis Batch: 651507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246961-1	MW-8	Total/NA	Water	353.2	
400-246961-2	MW-12	Total/NA	Water	353.2	
400-246961-3	MW-13	Total/NA	Water	353.2	
400-246961-4	MW-14	Total/NA	Water	353.2	
400-246961-5	MW-15	Total/NA	Water	353.2	
400-246961-6	MW-28	Total/NA	Water	353.2	
400-246961-7	MW-29	Total/NA	Water	353.2	
400-246961-8	MW-30	Total/NA	Water	353.2	
400-246961-9	MW-71	Total/NA	Water	353.2	
400-246961-10	MW-72	Total/NA	Water	353.2	
400-246961-11	MW-73	Total/NA	Water	353.2	
400-246961-12	MW-74	Total/NA	Water	353.2	
400-246961-13	MW-75	Total/NA	Water	353.2	
400-246961-14	MW-76	Total/NA	Water	353.2	
400-246961-15	MW-77	Total/NA	Water	353.2	
400-246961-16	MW-78	Total/NA	Water	353.2	
400-246961-17	MW-79	Total/NA	Water	353.2	

QC Association Summary

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

Job ID: 400-246961-1

General Chemistry (Continued)

Analysis Batch: 651507 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246961-18	MW-80	Total/NA	Water	353.2	
400-246961-19	MW-81	Total/NA	Water	353.2	
400-246961-20	DUP-01	Total/NA	Water	353.2	
400-246961-21	DUP-02	Total/NA	Water	353.2	
400-246961-3 MS	MW-13	Total/NA	Water	353.2	
400-246961-3 MSD	MW-13	Total/NA	Water	353.2	
400-246961-16 MS	MW-78	Total/NA	Water	353.2	
400-246961-16 MSD	MW-78	Total/NA	Water	353.2	

QC Sample Results

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

Job ID: 400-246961-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 400-651610/5
Matrix: Water
Analysis Batch: 651610

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00050	U	0.0010	0.00050	mg/L			11/24/23 10:54	1
1,1-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 10:54	1
1,2-Dichlorobenzene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 10:54	1
cis-1,2-Dichloroethene	0.00020	U	0.0010	0.00020	mg/L			11/24/23 10:54	1
Tetrachloroethene	0.00090	U	0.0010	0.00090	mg/L			11/24/23 10:54	1
trans-1,2-Dichloroethene	0.00050	U	0.0010	0.00050	mg/L			11/24/23 10:54	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/L			11/24/23 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*72 - 130*		*11/24/23 10:54*	*1*
Dibromofluoromethane	*91*		*75 - 126*		*11/24/23 10:54*	*1*
Toluene-d8 (Surr)	*99*		*64 - 132*		*11/24/23 10:54*	*1*

Lab Sample ID: LCS 400-651610/1002
Matrix: Water
Analysis Batch: 651610

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	0.0431		mg/L		86	70 - 130
1,1-Dichloroethene	0.0500	0.0389		mg/L		78	63 - 134
1,2-Dichlorobenzene	0.0500	0.0536		mg/L		107	67 - 130
cis-1,2-Dichloroethene	0.0500	0.0426		mg/L		85	68 - 130
Tetrachloroethene	0.0500	0.0461		mg/L		92	65 - 130
trans-1,2-Dichloroethene	0.0500	0.0428		mg/L		86	70 - 130
Trichloroethene	0.0500	0.0460		mg/L		92	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*72 - 130*
Dibromofluoromethane	*87*		*75 - 126*
Toluene-d8 (Surr)	*99*		*64 - 132*

Lab Sample ID: 400-246961-3 MS
Matrix: Water
Analysis Batch: 651610

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	0.0035		0.0500	0.0401		mg/L		73	61 - 144
1,1-Dichloroethene	0.00050	U	0.0500	0.0338		mg/L		68	54 - 147
1,2-Dichlorobenzene	0.0013		0.0500	0.0512		mg/L		100	52 - 137
cis-1,2-Dichloroethene	0.00041	J	0.0500	0.0380		mg/L		75	59 - 143
Tetrachloroethene	0.00090	U	0.0500	0.0380		mg/L		76	52 - 133
trans-1,2-Dichloroethene	0.00050	U	0.0500	0.0371		mg/L		74	61 - 143
Trichloroethene	0.0014		0.0500	0.0413		mg/L		80	64 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*72 - 130*
Dibromofluoromethane	*87*		*75 - 126*

QC Sample Results

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

Job ID: 400-246961-1

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

Lab Sample ID: 400-246961-3 MS
Matrix: Water
Analysis Batch: 651610

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

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

Lab Sample ID: 400-246961-3 MSD
Matrix: Water
Analysis Batch: 651610

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	0.0035		0.0500	0.0466		mg/L		86	61 - 144	15	30
1,1-Dichloroethene	0.00050	U	0.0500	0.0402		mg/L		80	54 - 147	17	30
1,2-Dichlorobenzene	0.0013		0.0500	0.0589		mg/L		115	52 - 137	14	30
cis-1,2-Dichloroethene	0.00041	J	0.0500	0.0438		mg/L		87	59 - 143	14	30
Tetrachloroethene	0.00090	U	0.0500	0.0449		mg/L		90	52 - 133	17	30
trans-1,2-Dichloroethene	0.00050	U	0.0500	0.0437		mg/L		87	61 - 143	16	30
Trichloroethene	0.0014		0.0500	0.0479		mg/L		93	64 - 136	15	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	*105*		*72 - 130*
Dibromofluoromethane	*88*		*75 - 126*
Toluene-d8 (Surr)	*102*		*64 - 132*

Method: 353.2 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 400-651440/35
Matrix: Water
Analysis Batch: 651440

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.018	U	0.050	0.018	mg/L			11/21/23 21:23	1

Lab Sample ID: MB 400-651440/92
Matrix: Water
Analysis Batch: 651440

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.018	U	0.050	0.018	mg/L			11/21/23 22:51	1

Lab Sample ID: LCS 400-651440/36
Matrix: Water
Analysis Batch: 651440

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			1.00	1.06		mg/L		106	90 - 110		

Lab Sample ID: LCS 400-651440/93
Matrix: Water
Analysis Batch: 651440

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			1.00	1.10		mg/L		109	90 - 110		

QC Sample Results

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

Job ID: 400-246961-1

Method: 353.2 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: MRL 400-651440/37
Matrix: Water
Analysis Batch: 651440

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N			0.0500	0.0690		mg/L		138	50 - 150		

Lab Sample ID: 400-246961-3 MS
Matrix: Water
Analysis Batch: 651440

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N	8.8		1.00	9.84	4	mg/L		104	90 - 110		

Lab Sample ID: 400-246961-3 MSD
Matrix: Water
Analysis Batch: 651440

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	8.8		1.00	9.82	4	mg/L		102	90 - 110	0	4

Lab Sample ID: 400-246961-16 MS
Matrix: Water
Analysis Batch: 651440

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 Nitrite as N	11		1.00	12.0	4	mg/L		112	90 - 110		

Lab Sample ID: 400-246961-16 MSD
Matrix: Water
Analysis Batch: 651440

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 Nitrite as N	11		1.00	12.0	4	mg/L		107	90 - 110	0	4

Lab Sample ID: 400-246961-21 MS
Matrix: Water
Analysis Batch: 651440

Client Sample ID: DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrate Nitrite as N	50		1.00	50.6	4	mg/L		93	90 - 110		

Lab Sample ID: 400-246961-21 MSD
Matrix: Water
Analysis Batch: 651440

Client Sample ID: DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate Nitrite as N	50		1.00	50.7	4	mg/L		103	90 - 110	0	4

QC Sample Results

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

Job ID: 400-246961-1

Method: 354.1 - Nitrogen, Nitrite

Lab Sample ID: MB 400-651461/13
Matrix: Water
Analysis Batch: 651461

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	0.018	U	0.10	0.018	mg/L			11/21/23 18:46	1

Lab Sample ID: MB 400-651461/44
Matrix: Water
Analysis Batch: 651461

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	0.018	U	0.10	0.018	mg/L			11/21/23 18:59	1

Lab Sample ID: LCS 400-651461/14
Matrix: Water
Analysis Batch: 651461

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			0.100	0.0977	J	mg/L		98	90 - 110		

Lab Sample ID: LCS 400-651461/45
Matrix: Water
Analysis Batch: 651461

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			0.100	0.0990	J	mg/L		99	90 - 110		

Lab Sample ID: 400-246961-3 MS
Matrix: Water
Analysis Batch: 651461

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	0.092	J H H3	0.300	0.375	H H3	mg/L		94	80 - 118		

Lab Sample ID: 400-246961-3 MSD
Matrix: Water
Analysis Batch: 651461

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	0.092	J H H3	0.300	0.365	H H3	mg/L		91	80 - 118	3	9

Lab Sample ID: 400-246961-16 MS
Matrix: Water
Analysis Batch: 651461

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		
Nitrite as N	0.018	U H H3	0.300	0.290	H H3	mg/L		97	80 - 118		

Lab Sample ID: 400-246961-16 MSD
Matrix: Water
Analysis Batch: 651461

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
Nitrite as N	0.018	U H H3	0.300	0.299	H H3	mg/L		100	80 - 118	3	9

QC Sample Results

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

Job ID: 400-246961-1

Method: 354.1 - Nitrogen, Nitrite

Lab Sample ID: 400-246961-21 MS
Matrix: Water
Analysis Batch: 651461

Client Sample ID: DUP-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Nitrite as N	0.049	J H H3	0.300	0.341		mg/L		97	80 - 118		

Lab Sample ID: 400-246961-21 MSD
Matrix: Water
Analysis Batch: 651461

Client Sample ID: DUP-02
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	0.049	J H H3	0.300	0.341		mg/L		97	80 - 118	0	9

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc Job Number: 400-246961-1

Login Number: 246961 **List Source: Eurofins Pensacola**
List Number: 1
Creator: Perez, Trina M

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR-8
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)	False	Nitrite and Nitrate calculation were received out of hold.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: SRC/ERB	Lab PM: Whitmire, Cheyenne R	400-246961 COC	Carrier Tracking No(s):	COC No: 400-124049-37684.1
Client Contact: Steve Varsa	Phone: 515-253-0830	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com		State of Origin:	Page: Page 1 of 2 ERB
Company: Stantec Consulting Services Inc	PWSID:				Job #:
Address: 11311 Aurora Avenue	Due Date Requested: STD				
City: Des Moines	TAT Requested (days):				
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No				
Phone:	PO #: WD1040011				
Email: steve.varsa@stantec.com	WO #: Blanco SFP_ERG_ARF_10_24_2023				
Project Name: Blanco South. Other	Project #: 40012762				
Site:	SSOW#:				

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Blanco South Fire Pit Analytes 8260	300_ORGFMS - Nitrate & Nitrite	ERB	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N			
MW-8	11/14/2023	1034	G	Water	N	N	-	X		1	
MW-12	11/14/2023	0859	G	Water	N	N	X	X		2	
MW-13	11/14/2023	0838	G	Water	N	Y	X	X		4	MS/MSD
MW-14	11/14/2023	1100	G	Water	N	N	X	X		2	
MW-15	11/14/2023	0827	G	Water	N	N	X	X		4	
MW-28	11/14/2023	0945	G	Water	N	N	-	X		1	
MW-29	11/14/2023	0928	G	Water	N	N	-	X		1	
MW-30	11/14/2023	0933	G	Water	N	N	-	X		1	
MW-71	11/14/2023	0805	G	Water	N	N	-	X		1	-VIALS (3) REC.
MW-72	11/14/2023	1007	G	Water	N	N	-	X		1	
MW-73	11/14/2023	0939	G	Water	N	N	-	X		1	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx: 505355486484
Relinquished by: Glen Early	Date/Time: 11/14/2023 1130	Company: STN	Received by: Mark Urrutia	Date/Time: 11/16/23 0825	Company: EEAP
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 11/18/23 750	Company: ECTS
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 0.0°C IR (752A) 1.8 - 0.2 = 1.6 ICE-FROZEN

Ver: 06/08/2021

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

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: SRC/ERB	Lab PM: Whitmire, Cheyenne R	Carrier Tracking No(s):	COC No: 400-124049-37684.2
Client Contact: Steve Varsa	Phone: 515-253-0830	E-Mail: Cheyenne.Whitmire@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2 ERB
Company: Stantec Consulting Services Inc	PWSID:			Job #:
Address: 11311 Aurora Avenue	Due Date Requested: STD			
City: Des Moines	TAT Requested (days):			
State, Zip: IA, 50322-7904	Compliance Project: Δ Yes Δ No			
Phone:	PO #: WD1040011			
Email: steve.varsa@stantec.com	WO #: Blanco SFP_ERG_ARF_10_24_2023			
Project Name: Blanco South. Other	Project #: 40012762			
Site:	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260B - Blanco South Fire Pit Analytes 8260	300_ORGFMS - Nitrate & Nitrite	ERB	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	N			
MW-74	11/14/2023	1027	G	Water	N	N	-	X			
MW-75	11/14/2023	0923	G	Water	N	N	-	X			
MW-76	11/14/2023	1012	G	Water	N	N	-	X			
MW-77	11/14/2023	1001	G	Water	N	N	-	X			
MW-78	11/14/2023	0952	G	Water	N	Y	-	X		3	MS/MSD
MW-79	11/14/2023	0908	G	Water	N	N	-	X			
MW-80	11/14/2023	0906	G	Water	N	N	-	X			
MW-81	11/14/2023	1045	G	Water	N	N	-	X			
DUP-01	11/14/2023	—	G	Water	N	N	X	X			
DUP-02	11/14/2023	—	G	Water	N	N	-	X			
TB-01	11/14/2023	0730	G	Water	N	N	X			2	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx: 595355486184			
Relinquished by:	Date/Time: 11/14/2023 1130	Company: STN	Received by: Mark Wright	Date/Time: 11/16/23 1025	Company: EEAP
Relinquished by:	Date/Time.	Company	Received by:	Date/Time. 11/18/23 750	Company: EEAP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: (752A) 1.8-0.2=1.6 ICE-FROZEN

Ver: 06/08/2021

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Job ID: 400-246961-1
Project/Site: Blanco South

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	08-01-24
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-24
Kansas	NELAP	E-10253	10-31-24
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-24
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-24
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24
West Virginia DEP	State	136	03-31-24

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 327874

CONDITIONS

Operator:	OGRID:
El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	7046
	Action Number: 327874
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report for Blanco Plant--South Flare Pit and D Plant Areas: Content Satisfactory 1. Continue to conduct groundwater monitoring as scheduled 2. Sample monitoring wells for nitrates by EPA method 353.2 and 354.1. 3. Submit the 2024 annual report to OCD by April 1, 2025.	7/8/2024