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2022 ANNUAL GROUNDWATER MONITORING REPORT

Blanco Plant – North Flare Pit

NMOCD Incident No.
NAUTOFCS000155

Prepared for:

El Paso CGP Company, LLC
1001 Louisiana Street
Houston, Texas 77002

Prepared by:

Stantec Consulting Services, Inc.
11311 Aurora Avenue
Des Moines, IA 50322

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2022 ANNUAL GROUNDWATER MONITORING REPORT

Table of Contents

ABBREVIATIONS	III
1.0 INTRODUCTION	1
2.0 SITE BACKGROUND	2
2.1 SITE DESCRIPTION	2
2.2 SITE HISTORY	2
2.3 GEOLOGY AND HYDROGEOLOGY	4
3.0 FIELD ACTIVITIES	5
3.1 DEPTH TO WATER MEASUREMENTS	5
3.2 LNAPL RECOVERY	5
3.3 GROUNDWATER SAMPLING	5
4.0 RESULTS AND DISCUSSION	7
4.1 GROUNDWATER ELEVATION AND GRADIENT	7
4.2 GROUNDWATER ANALYTICAL RESULTS	7
5.0 PLANNED FUTURE ACTIVITIES	9
6.0 REFERENCES	10

2022 ANNUAL GROUNDWATER MONITORING REPORT

LIST OF TABLES

Table 1 – LNAPL Recovery Summary

Table 2 – Groundwater Elevation Data

Table 3 – Summary of BTEX Groundwater Analytical Results

Table 4 – Summary of Nitrate Groundwater Analytical Results

LIST OF FIGURES

Figure 1 – Site Location

Figure 2 – Site Plan

Figure 3 – Groundwater Elevation Map – May 17, 2022

Figure 4 – Groundwater Elevation Map – November 1, 2022

Figure 5 – Groundwater Analytical Results – May 17, 2022

Figure 6 – Groundwater Analytical Results – November 2, 2022

LIST OF APPENDICES

Appendix A – NMOCD Site Activity Notifications

Appendix B – Wastewater Disposal Documentation

Appendix C - Laboratory Analytical Reports

2022 ANNUAL GROUNDWATER MONITORING REPORT

Abbreviations

Bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
DTP	depth to product
DTW	depth to water
EPFS	El Paso Field Services
EPNG	El Paso Natural Gas Company, LLC
LNAPL	light non-aqueous phase liquid
mg/L	milligrams per liter
NMED	New Mexico Environment Department
NMOCD	New Mexico Oil Conservation Division
NMWQCC	New Mexico Water Quality Control Commission
QC	quality control
SVE	Soil vapor extraction

2022 ANNUAL GROUNDWATER MONITORING REPORT**1.0 INTRODUCTION**

This 2022 Annual Groundwater Monitoring Report has been prepared on behalf of El Paso CGP Company, LLC (EPCGP) to present the results of the 2022 groundwater monitoring activities at the Blanco Gas Plant – North Flare Pit (Blanco North, the Site). The Report also documents quarterly light non-aqueous phase liquid (LNAPL) recovery activities.

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. The site location is shown in Figure 1 and the site plan is shown in Figure 2. The Site activities were completed by Stantec Consulting Services, Inc. (Stantec) on behalf of EPCGP.

2022 ANNUAL GROUNDWATER MONITORING REPORT

2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

The Blanco North site is located approximately 1.5 miles northeast of central Bloomfield, New Mexico, on land controlled by the United States Bureau of Land Management. The San Juan River is roughly 2 miles south of the Site. The property adjacent to the Site is primarily used for ranching and farming, with a gas production well operated by Hilcorp Energy located west of the former North Flare Pit (NFP) area. The main operations of the Blanco Gas Plant are located directly to the south of the Site. The Site is adjacent to a pipeline pigging station but is generally not heavily industrialized and contains large areas of unimproved land, other than limited environmental-related infrastructure.

2.2 SITE HISTORY

The Site has an extensive history of environmental investigation and restoration. Remediation efforts over the past several decades include:

- The New Mexico Environmental Improvement Division, now the New Mexico Environment Department (NMED) conducted a site inspection at the Blanco Gas Plant in 1987 and recommended investigation to support the submittal of a groundwater discharge plan application. In 1988, soil boring W-1 was advanced and monitoring well MW-2 was installed and sampled. During January 1990, MW-19 was installed and sampled. MW-19 contained an oily sheen with benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations exceeding the New Mexico Water Quality Control Commission (NMWQCC) standards (MWH, 2011).
- During February 1992, hydrocarbon-impacted soils were excavated and removed from the Site. Following the excavation, a work plan was submitted to the NMOCD which addressed subsurface investigation of the NFP. The investigation of the NFP was conducted during September and October of 1992. During the investigation, five monitoring wells (MW-20, MW-23, MW-24, MW-26, and MW-27) were installed south of the NFP. In addition, several soil borings were advanced adjacent to the monitoring wells but were not completed as wells because significant quantities of groundwater were not encountered. LNAPL was found in monitoring wells MW-19, MW-26, and MW-27 and was sampled, while groundwater was sampled from the remaining wells. Concentrations of BTEX in exceedance of NMWQCC standards were detected in monitoring wells MW-23 and MW-24. Based on the groundwater data and product analysis obtained during the 1992 investigation, it was suggested that the NFP and evaporation pond were the two plausible sources of contamination at the site (MWH, 2011).
- LNAPL removal from MW-19 and MW-26 was initiated by El Paso Natural Gas (EPNG) in 1993 and continued until June 1995. During this time, routine groundwater monitoring was conducted. LNAPL was not found in any monitoring wells at the Site as of August 1995. In September 1995, EPNG submitted a work plan to NMOCD which proposed remediation of BTEX impacts by nitrate addition, quarterly groundwater monitoring, and abandonment of monitoring wells following remediation of hydrocarbons below NMWQCC standards. Approval of

2022 ANNUAL GROUNDWATER MONITORING REPORT

this work plan was not received from NMOCD, and groundwater monitoring at the Site was discontinued (MWH, 2011).

- Periodic groundwater monitoring and sampling resumed in 2000. Management of the Site was transferred from EPNG to El Paso Field Services (EPFS) in August 2001.
- Sludge from the lined evaporation pond was excavated and removed in October 2001. During the evaporation pond excavation, the liner was retracted, and soil samples were collected at depths from 1 to 4 feet below ground surface (bgs). The soil samples were submitted to an analytical laboratory for analysis of petroleum hydrocarbons. It was reported that the soil samples contained no detectable quantities of petroleum hydrocarbons (MWH, 2011).
- In May 2002, the NMOCD requested EPFS submit historic monitoring and remediation data collected from the Site since 1994. EPFS submitted the requested data along with a work plan which proposed the installation and operation of a pilot air sparge (AS) system adjacent to MW-19 and MW-26 to remediate groundwater. NMOCD approved the work plan in February 2003 (MWH, 2011).
- One AS well (SW-1) was installed north of MW-26. During April 2003, an LNAPL skimmer pump was installed and LNAPL removal began. Operation of the AS system began in June 2003 (MWH, 2011).
- During May 2006, monitoring wells MW-31, MW-32, and MW-33 were installed to further characterize the Site. Shortly after installation, LNAPL was detected in MW-32. In September 2006, a pneumatic skimmer was placed in MW-32 to facilitate LNAPL removal. However, following removal of minimal LNAPL, the skimmer was replaced with absorbent socks (MWH, 2011).
- In June 2009, during an air sparging maintenance event, the AS system was found to be inoperative. EPFS suspended use of the AS system and began evaluating the site for hydrocarbon rebound (MWH, 2011).
- In 2013, semi-annual groundwater sampling and annual reporting resumed, and the above ground storage tank formerly used for storage of recovered fluids was removed.
- In March 2014, a work plan to conduct site characterization activities was completed and submitted to the NMOCD. In August 2014, the AS system and associated infrastructure was decommissioned and removed from the Site (Jacobs, 2020).
- In 2017, three soil borings (SB-1 through SB-3) were advanced, and nine monitoring wells (MW-40 through MW-48) were advanced and completed as part of a site characterization investigation. Soil samples were collected and submitted for laboratory analysis during advancement of the monitoring wells and soil borings. Six monitoring wells (MW-2, MW-19, MW-24, MW-26, MW-27, and MW-31), and AS well SW-1 were plugged and abandoned. The results of these activities are to be presented in an upcoming report (Stantec 2021).

2022 ANNUAL GROUNDWATER MONITORING REPORT

- In August 2019, additional site characterization investigation activities were completed at the Site, including the advancement and completion of eight monitoring wells (MW-49 through MW-56) around the former NFP and adjacent to the former evaporation pond. Soil samples were collected and submitted for laboratory analysis during advancement of the monitoring wells. The results of these activities were summarized in a Site Characterization Report (Stantec, 2021).
- In 2020, quarterly LNAPL recovery activities resumed.
- In July 2021, additional site characterization activities were completed at the Site, including the advancement of one monitoring well (MW-57), three AS test wells (TW-2 through TW-4) and three monitoring points (MP-1 through MP-3), and abandonment of one monitoring well (MW-33). Soil samples were collected during advancement of the wells and submitted for laboratory analysis.
- In August 2021, SVE feasibility testing was performed at the Site.

2.3 GEOLOGY AND HYDROGEOLOGY

Bechtel Environmental (Bechtel, 1988) and K.W Brown and Associates (K.W. Brown, 1990) assessed the geology and hydrogeology beneath the Blanco Plant site during their 1988 and 1990 investigations of the extent of groundwater contamination. The Blanco 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, 1988). 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 (Bechtel, 1988). The channel-fill sandstone may locally dictate groundwater flow due to the expected higher hydraulic conductivities in this lithology.

The site hydrogeology and groundwater were also assessed by EPNG in a study conducted in 1989 (EPNG, 1989). The average hydraulic conductivity was estimated to be 2.1×10^{-4} centimeters per second. Depth to groundwater ranged from 9 to 50 feet bgs (EPNG, 1989). In 1992, Burlington Environmental completed an investigation specific to the NFP area (Burlington, 1992). Eight borings were advanced during the investigation, five of which were completed as monitoring wells. In general, it was observed that each of these borings were advanced through approximately 19 feet of silty/clayey sand, underlain by silty/sandy clay with laminated siltstone and mudstone. In three of the borings (completed as MW-24, MW-26, and MW-27), a sand layer containing gravel and clay was encountered above the sandstone bedrock, which was interpreted as a possible relict channel feature. In the MW-19 boring, a similar thick sandy unit was encountered (K.W. Brown, 1990). At approximately 50 to 70 feet bgs sandstone was encountered, with the greatest depths to bedrock found beneath the possible relict channel feature. In some places the upper sections of the sandstone were observed to be friable. The soil borings advanced during the investigation were terminated in what was characterized as a gypsum-cemented sandstone and interpreted to be an apparent aquitard. Depending on the location, groundwater saturation was encountered either within or just above the underlying sandstone contact.

2022 ANNUAL GROUNDWATER MONITORING REPORT

3.0 FIELD ACTIVITIES

Activities completed in 2022 included semi-annual groundwater monitoring and sampling, along with LNAPL recovery, in May and November 2022. Additional well gauging and LNAPL recovery events were completed in March and August 2022. Email notifications were provided to the NMOCD prior to the start of field work. Copies of the notifications are provided in Appendix A.

The following sections summarize the 2022 site activities.

3.1 DEPTH TO WATER MEASUREMENTS

Site-wide groundwater monitoring well gauging activities were conducted on May 17, and November 1, 2022. The EPNG-owned monitoring wells associated with the South Flare Pit and D Plant Areas of the Blanco Plant were also gauged on November 1, 2022, to evaluate groundwater elevations across both the north and south portions of the Blanco Plant.

Well gauging was completed using an oil-water interface probe, and depth to water (DTW) and depth to product (DTP), as applicable, were measured at each of the accessed monitoring wells. Measurable LNAPL was present in monitoring wells MW-32 and MW-47, monitoring point MP-1, and test well TW-2 in 2022.

3.2 LNAPL RECOVERY

Quarterly LNAPL recovery activities were initiated at the Site beginning in August 2020, and were performed in March, May, August, and November 2022. The LNAPL recovery data is summarized on Table 1. Recovered liquids from the groundwater sampling events in May and November 2022 were disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the March site visit was transported to Basin Disposal, Inc. (Basin) for disposal. Liquids generated during the May, August, and November events were transported to Envirotech Inc. (Envirotech) south of Bloomfield, New Mexico for disposal. Wastewater disposal documentation is included in Appendix B.

3.3 GROUNDWATER SAMPLING

Following collection of gauging data on May 17 and November 1, 2022, groundwater samples were collected from monitoring wells where no measurable LNAPL was present, and sufficient water column was present for collection of groundwater samples. Groundwater samples were obtained using Hydrasleeve samplers. Monitoring wells MW-23, MW-40 through MW-46, MW-48, MW-51 through MW-55, and MW-57 were sampled during the May and November 2022 sampling events. Monitoring wells MW-32 and MW-47 contained LNAPL and were not sampled. Wells MP-1 through MP-3 and TW-2 through TW-4 were installed for remedial feasibility testing purposes, and therefore also were not sampled.

2022 ANNUAL GROUNDWATER MONITORING REPORT

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, in Pensacola, Florida (Eurofins). One laboratory-supplied trip blank, one blind field duplicate sample, and one Matrix Spike/Matrix Spike Duplicate (MSMSD) sample were also collected during each sampling event. Groundwater samples collected in May 2022 were analyzed for BTEX using U.S. Environmental Protection Agency (EPA) Method 8260B, and nitrate using Method 300.0. The groundwater samples collected in November 2022 were also analyzed for BTEX using EPA Method 8260B. Due to a laboratory error, samples collected in November 2022 for nitrate were not processed within the required hold times, and therefore were not analyzed.

Excess groundwater and other wastewater generated during the sampling event was containerized and transported to Envirotech for disposal. Waste disposal documentation is included in Appendix B.

Groundwater analytical data were subjected to a validation process for the review of 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. The Stantec data validation report, and associated level IV data packages from Eurofins, are available upon request.

2022 ANNUAL GROUNDWATER MONITORING REPORT**4.0 RESULTS AND DISCUSSION****4.1 GROUNDWATER ELEVATION AND GRADIENT**

Groundwater elevation data is summarized on Table 2. Groundwater elevations determined from the May and November 2022 gauging events indicated apparent groundwater flow across the site to the southeast. Groundwater elevation contour maps depicting groundwater elevations across the site for each gauging event are included as Figures 3 and 4.

Groundwater elevations were approximately 5 feet higher in monitoring well MW-57, than would be expected when compared to adjacent monitoring wells, when gauged in 2022. Historically, similar observations were noted in monitoring well MW-33, which was replaced by MW-57. It is believed perched groundwater from one or more shallower horizons, which was noted as saturated lenses in soil cores recovered when MW-57 was advanced, may be locally affecting groundwater elevations in the vicinity of MW-57.

4.2 GROUNDWATER ANALYTICAL RESULTS

Tables 3 and 4 summarize the groundwater analytical results. Figures 5 and 6 summarize analyte concentrations for the May and November groundwater sampling results, respectively. The laboratory analytical reports are included as Appendix C. The following is a summary of findings based on field observations and analytical data reported in 2022 for the Site:

- LNAPL was observed in monitoring wells MW-32 and MW-47; therefore, groundwater samples were not collected from these wells. Additionally, MW-49, MW-50, and MW-56 were found to be dry during the May and November 2022 sampling events.
- Groundwater samples collected from monitoring wells MW-23, MW-44, MW-48, MW-51, and MW-52 during both the May and November 2022 sampling events, exceeded the NMWQCC standard (0.01 milligrams per liter [mg/L]) for benzene. The groundwater sample collected from monitoring well MW-45 during the May 2022 sampling event exceeded the NMWQCC standard for benzene. Benzene concentrations were either below the standard or not detected in the remaining monitoring wells sampled in 2022.
- Concentrations of toluene were either below the NMWQCC standard (0.75 mg/L) or not detected in the monitoring wells sampled in 2022.
- Concentrations of ethylbenzene were either below the NMWQCC standard (0.75 mg/L) or not detected in the monitoring wells sampled in 2022.
- The groundwater samples collected from MW-23 during both the May and November 2022 sampling events exceeded the NMWQCC standard (0.62 mg/L) for total xylenes in groundwater. Total xylene concentrations were either below the standard or not detected in the samples collected from the other Site monitoring wells in 2022.
- The Groundwater samples collected from monitoring wells MW-40, MW-41, and MW-54 during the May 2022 sampling events, exceeded the NMWQCC standard

2022 ANNUAL GROUNDWATER MONITORING REPORT

(10 mg/L) for nitrate. Nitrate concentrations were either at or below the standard or not detected in the remaining monitoring wells sampled in 2022.

Field duplicates were collected from monitoring well MW-48 during the May 2022 sampling event and from monitoring well MW-44 during the November 2022 sampling events. No significant differences were noted between the primary and the duplicate samples.

Detectable concentrations of BTEX constituents were not reported in the trip blanks submitted for analysis during the May and November 2022 groundwater sampling events.

2022 ANNUAL GROUNDWATER MONITORING REPORT**5.0 PLANNED FUTURE ACTIVITIES**

Further delineation and assessment of hydrocarbons in the vicinity of the former EPNG evaporation pond, postponed from 2022 due to activities in this area by the site operator, are planned for Spring 2023. Details of these hydrocarbon assessment activities, including the installation of three additional monitoring wells, will be included under separate cover.

Semi-annual groundwater monitoring is planned for the second and fourth calendar quarters of 2023. In the second calendar quarter of 2023, groundwater samples will be collected from seven newly-installed or existing monitoring wells located in the vicinity of the former EPNG evaporation pond. In the fourth calendar of 2023, groundwater samples will be collected from site monitoring wells not containing LNAPL. If encountered while on-site, LNAPL will be hand-bailed, and recovered fluids transported to Envirotech for disposal. The groundwater samples will be submitted for laboratory analysis of BTEX constituents using EPA Method 8260 and nitrate using EPA Method 300.0. Field duplicates and a trip blank will also be submitted for analysis during each groundwater sampling event.

Monitoring for LNAPL in MW-32, MW-47, MP-1, and TW-2 will continue on a quarterly basis in 2023. If encountered, LNAPL from existing or newly-installed wells will be manually removed.

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

2022 ANNUAL GROUNDWATER MONITORING REPORT**6.0 REFERENCES**

Bechtel Environmental, 1988. *Groundwater Investigation Report, El Paso Natural Gas Company's Blanco Plant, San Juan County, New Mexico*. January.

Burlington Environmental, 1992. *Monitoring Well Installation and Testing at the North Flare Pit Area of Blanco Plant*. Prepared for El Paso Natural Gas Company. December.

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Jacobs, 2020. *2019 Annual Groundwater Monitoring Report, North Flare Pit, Bloomfield, New Mexico*. Prepared for El Paso CGP Company LLC. March.

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

MWH, 2012. *2011 Blanco North Flare Pit Annual Report*. Prepared for El Paso CGP Company. March.

Stantec. 2021. *Site Characterization Report*. Prepared for El Paso CGP Company. April.

Stantec. 2022. *2021 Annual Groundwater Monitoring Report*. Prepared for El Paso CGP Company. March.

TABLES

Table 1
LNAPL Recovery Summary
Blanco Plant - North Flare Pit, Bloomfield, New Mexico

Well ID - MW-32	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
6/24/2015	58.60	58.82	0.22	N/A	N/A	N/A
12/16/2015	58.45	58.91	0.46	N/A	N/A	N/A
6/29/2016	58.60	59.10	0.50	N/A	N/A	N/A
12/13/2016	sheen	58.93	sheen	N/A	N/A	N/A
4/27/2017	sheen	58.35	sheen	N/A	N/A	N/A
11/13/2018	sheen	58.15	sheen	N/A	N/A	N/A
4/16/2019	58.15	59.31	1.16	0.03	0.1	manual
9/23/2019	58.10	58.20	0.10	<0.01	0.1	manual
10/15/2019	57.99	58.37	0.38	0.03	0.1	manual
4/27/2020	58.13	58.97	0.84	0.13	NR	manual
8/18/2020	58.20	58.40	0.20	0.25	0.41	manual
11/17/2020	58.29	58.40	0.11	0.04	0.48	manual
3/17/2021	58.38	58.40	0.02	0.02	0.49	manual
5/20/2021	58.39	58.45	0.06	0.01	0.15	manual
8/23/2021	58.52	58.62	0.10	0.01	0.50	manual
8/24/2021	58.55	58.55	0.01	<0.01	0.40	manual
11/9/2021	58.49	58.56	0.07	0.02	0.31	manual
3/23/2022	58.46	58.56	0.10	0.03	0.15	manual
5/17/2022	58.48	58.53	0.05	<0.01	0.05	manual
7/29/2022	58.47	58.52	0.05	<0.01	0.15	manual
11/1/2022	58.3	58.36	0.06	0.03	0.99	manual
			Total:	0.60	4.37	

Well ID - MW-47	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
9/23/2019	sheen	46.77	sheen	<0.01	0.1	manual
10/15/2019	46.90	46.91	0.01	<0.01	0.1	manual
4/27/2020	46.71	46.71	<0.01	<0.01	0.4	manual
8/18/2020	46.46	46.46	<0.01	<0.01	0.74	manual
11/17/2020	47.50	47.53	0.03	<0.01	0.1	manual
3/17/2021	ND	47.45	ND	NA	NA	NA
5/20/2021	47.30	47.32	0.02	<0.01	0.11	manual
11/9/2021	47.08	47.10	0.02	0.01	0.33	manual
3/23/2022	46.50	47.34	0.84	0.71	0.23	manual
5/17/2022	46.56	47.30	0.74	0.53	0.90	manual
8/3/2022	46.99	47.53	0.54	0.42	0.08	manual
11/1/2022	46.84	47.29	0.45	0.34	0.94	manual
			Total:	2.01	4.03	

Well ID - MP-1	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
8/24/2021	56.00	63.10	7.10	4.46	1.06	manual
8/29/2021	64.10	ND	>4.4	0.85	0.32	manual
11/9/2021	55.29	62.48	7.19	3.41	0.87	manual
3/23/2022	54.63	62.15	7.52	4.03	0.33	manual
5/17/2022	55.26	61.19	5.93	2.87	<0.01	manual
7/29/2022	56.37	60.67	4.30	2.69	0.41	manual
11/1/2022	55.11	60.29	5.18	2.85	0.81	manual
			Total:	21.16	3.79	

Well ID - TW-2	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
11/9/2021	61.89	ND	>0.61	0.18	<0.1	Manual
3/23/2022	60.94	62.16	1.22	0.62	0.03	Manual
5/17/2022	61.36	61.99	0.63	0.33	0.04	Manual
7/29/2022	61.28	62.91	1.63	0.32	0.07	Manual
11/1/2022	61.06	61.69	0.63	0.18	0.34	Manual
			Total:	1.63	0.48	

Notes:

N/A = Not Attempted.

ND = Not Detected.

NR = Not Recorded.

gal = gallons

LNAPL = Light non-aqueous phase liquid

LNAPL Data for previous years documented in previously-submitted reports.

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-23	5634.33	9/25/1992	NA	NA	57.11	5577.22
		2/1/1993	NA	NA	NA	NA
		2/25/1993	NA	NA	NA	NA
		6/8/1993	NA	NA	NA	NA
		9/29/1993	NA	NA	NA	NA
		2/10/1994	NA	NA	NA	NA
		5/13/1994	NA	NA	NA	NA
		8/22/1994	NA	NA	NA	NA
		11/13/2000	NA	NA	57.02	5577.31
		3/26/2001	NA	NA	57.07	5577.26
		5/30/2002	NA	NA	57.08	5577.25
		6/2/2003	NA	NA	57.12	5577.21
		8/4/2003	NA	NA	57.06	5577.27
		9/3/2003	NA	NA	57.11	5577.22
		12/16/2003	NA	NA	57.31	5577.02
		5/17/2004	NA	NA	57.14	5577.19
		8/23/2004	NA	NA	57.04	5577.29
		11/22/2004	NA	NA	57.13	5577.2
		2/23/2005	NA	NA	57.13	5577.2
		5/23/2005	NA	NA	57.22	5577.11
		8/30/2005	NA	NA	57.18	5577.15
		11/17/2005	NA	NA	57.29	5577.04
		2/21/2006	NA	NA	57.25	5577.08
		6/8/2006	NA	NA	57.44	5576.89
		8/15/2006	NA	NA	57.40	5576.93
		11/3/2006	NA	NA	57.41	5576.92
		2/26/2007	NA	NA	57.44	5576.89
		5/29/2007	NA	NA	57.47	5576.86
		8/22/2007	NA	NA	57.49	5576.84
		11/28/2007	NA	NA	57.62	5576.71
		2/20/2008	NA	NA	57.57	5576.76
		5/22/2008	NA	NA	57.40	5576.93
		8/21/2008	NA	NA	57.70	5576.63
		11/6/2008	NA	NA	57.81	5576.52
		2/17/2009	NA	NA	57.69	5576.64
		5/11/2009	NA	NA	57.83	5576.50
		8/26/2009	NA	NA	57.93	5576.4
		2/18/2010	NA	NA	57.89	5576.44
		8/25/2010	NA	NA	58.11	5576.22
		2/23/2011	NA	NA	58.04	5576.29
		8/31/2011	NA	NA	58.12	5576.21
		12/17/2013	ND	ND	58.58	5575.75
		6/18/2014	ND	ND	58.53	5575.80
		12/16/2014	ND	ND	58.70	5575.63
		6/24/2015	ND	ND	58.91	5575.42
		12/16/2015	ND	ND	58.82	5575.51
		6/29/2016	ND	ND	58.96	5575.37

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-23	5634.33	12/13/2016	ND	ND	58.98	5575.35
		4/27/2017	ND	ND	58.94	5575.39
		11/14/2017	ND	ND	59.13	5575.20
		1/28/2018	ND	ND	59.31	5575.02
		4/2/2018	ND	ND	59.10	5575.23
		11/13/2018	ND	ND	59.40	5574.93
		4/16/2019	ND	ND	59.31	5575.02
		9/23/2019	ND	ND	59.39	5574.94
		10/15/2019	ND	ND	59.42	5574.91
		4/27/2020	ND	ND	60.40	5573.93
		8/18/2020	ND	ND	59.41	5574.92
		11/17/2020	ND	ND	59.53	5574.80
		5/20/2021	ND	ND	59.38	5574.95
		8/23/2021	ND	ND	59.39	5574.94
		8/29/2021	ND	ND	59.31	5575.02
		11/9/2021	ND	ND	59.36	5574.97
		5/17/2022	ND	ND	59.31	5575.02
		11/1/2022	ND	ND	59.31	5575.02

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-32	5650.00	8/26/2009	NA	NA	59.09	5590.91
		2/18/2010	NA	NA	58.93	5591.07
		2/22/2011	NA	NA	58.98	5591.02
		12/17/2013	ND	ND	59.19	5590.81
		6/18/2014	ND	ND	58.83	5591.17
		12/16/2014	ND	ND	58.61	5591.39
		6/24/2015	58.60	0.22	58.82	5591.35
		12/16/2015	58.45	0.46	58.91	5591.44
		6/29/2016	58.60	0.50	59.10	5591.28
		12/13/2016	Sheen	Sheen	58.93	5591.07
		4/27/2017	Sheen	Sheen	58.35	5591.65
		11/14/2017	ND	ND	58.30	5591.70
		1/28/2018	ND	ND	58.48	5591.52
		4/2/2018	ND	ND	58.37	5591.63
		11/13/2018	Sheen	Sheen	58.15	5591.85
		4/16/2019	58.15	1.16	59.31	5591.56
		9/23/2019	58.10	0.10	58.20	5591.88
		10/15/2019	57.99	0.38	58.37	5591.92
		4/27/2020	58.13	0.84	58.97	5591.66
		8/18/2020	58.20	0.20	58.40	5591.75
		11/17/2020	58.29	0.11	58.40	5591.68
		3/17/2021	58.38	0.02	58.40	5591.62
		5/20/2021	58.39	0.06	58.45	5591.60
		8/23/2021	58.52	0.10	58.62	5591.46
		8/24/2021	58.55	<0.01	58.55	5591.45
		8/25/2021	ND	0.00	59.16	5590.84
		8/29/2021	ND	0.00	59.11	5590.89
		11/9/2021	58.49	0.07	58.56	5591.49
		3/23/2022	58.46	0.10	58.56	5591.52
		5/17/2022	58.48	0.05	58.53	5591.51
		7/29/2022	58.47	0.05	58.52	5591.52
		11/1/2022	58.30	0.06	58.36	5591.69
MW-40	5621.43	11/14/2017	ND	ND	64.25	5557.18
		1/28/2018	ND	ND	64.23	5557.20
		4/2/2018	ND	ND	63.69	5557.74
		11/13/2018	ND	ND	63.72	5557.71
		4/16/2019	ND	ND	63.34	5558.09
		9/23/2019	ND	ND	63.53	5557.90
		10/15/2019	ND	ND	63.48	5557.95
		4/27/2020	ND	ND	63.34	5558.09
		8/18/2020	ND	ND	63.51	5557.92
		11/17/2020	ND	ND	63.59	5557.84
		5/20/2021	ND	ND	63.40	5558.03
		11/9/2021	ND	ND	63.62	5557.81
		5/17/2022	ND	ND	63.56	5557.87
		11/1/2022	ND	ND	63.69	5557.74

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-41	5629.52	11/14/2017	ND	ND	89.48	5540.04
		1/28/2018	ND	ND	86.85	5542.67
		4/2/2018	ND	ND	83.29	5546.23
		11/13/2018	ND	ND	77.70	5551.82
		4/16/2019	ND	ND	75.44	5554.08
		9/23/2019	ND	ND	73.02	5556.50
		10/15/2019	ND	ND	73.09	5556.43
		4/27/2020	ND	ND	71.20	5558.32
		8/18/2020	ND	ND	71.06	5558.46
		11/17/2020	ND	ND	71.01	5558.51
		5/20/2021	ND	ND	70.74	5558.78
		11/9/2021	ND	ND	70.90	5558.62
		5/17/2022	ND	ND	70.94	5558.58
		11/1/2022	ND	ND	70.98	5558.54
MW-42	5623.91	11/14/2017	ND	ND	69.10	5554.81
		1/28/2018	ND	ND	69.07	5554.84
		4/2/2018	ND	ND	68.71	5555.20
		11/13/2018	ND	ND	69.05	5554.86
		4/16/2019	ND	ND	69.96	5553.95
		9/23/2019	ND	ND	69.35	5554.56
		10/15/2019	ND	ND	69.30	5554.61
		4/27/2020	ND	ND	69.42	5554.49
		8/18/2020	ND	ND	69.81	5554.10
		11/17/2020	ND	ND	69.91	5554.00
		5/20/2021	ND	ND	69.83	5554.08
		11/9/2021	ND	ND	70.10	5553.81
		5/17/2022	ND	ND	70.19	5553.72
		11/1/2022	ND	ND	70.04	5553.87
MW-43	5626.44	11/14/2017	ND	ND	69.19	5557.25
		1/28/2018	ND	ND	69.40	5557.04
		4/2/2018	ND	ND	68.55	5557.89
		11/13/2018	ND	ND	68.78	5557.66
		4/16/2019	ND	ND	68.63	5557.81
		9/23/2019	ND	ND	69.11	5557.33
		10/15/2019	ND	ND	69.11	5557.33
		4/27/2020	ND	ND	69.26	5557.18
		8/18/2020	ND	ND	69.74	5556.70
		11/17/2020	ND	ND	69.95	5556.49
		5/20/2021	ND	ND	70.11	5556.33
		11/9/2021	ND	ND	70.51	5555.93
		5/17/2022	ND	ND	70.78	5555.66
		11/1/2022	ND	ND	70.81	5555.63

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-44	5626.89	11/14/2017	ND	ND	68.31	5558.58
		1/28/2018	ND	ND	68.45	5558.44
		4/2/2018	ND	ND	68.12	5558.77
		11/13/2018	ND	ND	68.01	5558.88
		4/16/2019	ND	ND	67.65	5559.24
		9/23/2019	ND	ND	67.79	5559.10
		10/15/2019	ND	ND	67.81	5559.08
		4/27/2020	ND	ND	67.79	5559.10
		8/18/2020	ND	ND	68.48	5558.41
		11/17/2020	ND	ND	68.12	5558.77
		5/20/2021	ND	ND	68.12	5558.77
		8/23/2021	ND	ND	68.28	5558.61
		8/29/2021	ND	ND	68.08	5558.81
		11/9/2021	ND	ND	68.26	5558.63
		5/17/2022	ND	ND	68.47	5558.42
		11/1/2022	ND	ND	68.54	5558.35
MW-45	5633.95	11/14/2017	ND	ND	73.13	5560.82
		1/28/2018	ND	ND	72.84	5561.11
		4/2/2018	ND	ND	72.35	5561.60
		11/13/2018	ND	ND	72.18	5561.77
		4/16/2019	ND	ND	72.16	5561.79
		9/23/2019	ND	ND	72.67	5561.28
		10/15/2019	ND	ND	72.69	5561.26
		4/27/2020	ND	ND	73.05	5560.90
		8/18/2020	ND	ND	73.61	5560.34
		11/17/2020	ND	ND	74.00	5559.95
		5/20/2021	ND	ND	74.58	5559.37
		8/23/2021	ND	ND	75.01	5558.94
		8/29/2021	ND	ND	75.11	5558.84
		11/9/2021	ND	ND	75.30	5558.65
		5/17/2022	ND	ND	75.88	5558.07
		11/1/2022	ND	ND	76.11	5557.84
MW-46	5650.99	11/14/2017	ND	ND	47.32	5603.67
		1/28/2018	ND	ND	46.56	5604.43
		4/2/2018	ND	ND	46.45	5604.54
		11/13/2018	ND	ND	47.38	5603.61
		4/16/2019	ND	ND	47.15	5603.84
		9/23/2019	ND	ND	48.49	5602.50
		10/15/2019	ND	ND	47.90	5603.09
		4/27/2020	ND	ND	46.74	5604.25
		8/18/2020	ND	ND	48.45	5602.54
		11/17/2020	ND	ND	48.10	5602.89
		5/20/2021	ND	ND	47.70	5603.29
		11/9/2021	ND	ND	49.10	5601.89
		5/17/2022	ND	ND	48.07	5602.92
		11/1/2022	ND	ND	49.05	5601.94

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-47	5637.74	11/14/2017	ND	ND	71.82	5565.92
		1/28/2018	ND	ND	62.02	5575.72
		4/2/2018	ND	ND	55.34	5582.40
		11/13/2018	ND	ND	48.22	5589.52
		4/16/2019	ND	ND	47.06	5590.68
		9/23/2019	Sheen	Sheen	46.77	5590.97
		10/15/2019	46.90	0.01	46.91	5590.84
		4/27/2020	46.71	<0.01	46.71	5591.03
		8/18/2020	46.46	<0.01	46.46	5591.28
		11/17/2020	47.50	0.03	47.53	5590.23
		3/17/2021	ND	ND	47.45	5590.29
		5/20/2021	47.30	0.02	47.32	5590.44
		8/23/2021	ND	ND	47.33	5590.41
		8/24/2021	ND	ND	47.64	5590.10
		8/29/2021	ND	ND	47.52	5590.22
		11/9/2021	47.08	0.02	47.10	5590.66
		3/23/2022	46.50	0.84	47.34	5591.03
		5/17/2022	46.56	0.74	47.30	5591.00
		8/3/2022	46.99	0.54	47.53	5590.62
		11/1/2022	46.84	0.45	47.29	5590.79
MW-48	5651.4	11/14/2017	ND	ND	57.82	5593.58
		1/28/2018	ND	ND	55.15	5596.25
		4/2/2018	ND	ND	54.25	5597.15
		11/13/2018	ND	ND	54.15	5597.25
		4/16/2019	ND	ND	54.13	5597.27
		9/23/2019	ND	ND	53.84	5597.56
		10/15/2019	ND	ND	53.88	5597.52
		4/27/2020	ND	ND	53.68	5597.72
		8/18/2020	ND	ND	53.62	5597.78
		11/17/2020	ND	ND	53.58	5597.82
		5/20/2021	ND	ND	53.58	5597.82
		8/23/2021	ND	ND	53.58	5597.82
		8/24/2021	ND	ND	53.72	5597.68
		8/29/2021	ND	ND	53.63	5597.77
		11/9/2021	ND	ND	53.60	5597.80
		5/17/2022	ND	ND	53.65	5597.75
		11/1/2022	ND	ND	53.78	5597.62
MW-49	5631.77	9/23/2019	ND	ND	72.03	5559.74
		10/15/2019	ND	ND	72.27	5559.50
		4/27/2020	ND	ND	72.64	5559.13
		8/18/2020	ND	ND	73.04	5558.73
		11/17/2020	ND	ND	73.13	5558.64
		5/20/2021	ND	ND	73.70	5558.07
		11/9/2021	ND	ND	DRY	N/A
		5/17/2022	ND	ND	DRY	N/A
		11/1/2022	ND	ND	DRY	N/A

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-50	5643.04	9/23/2019	ND	ND	75.32	5567.72
		10/15/2019	ND	ND	75.45	5567.59
		4/27/2020	ND	ND	75.40	5567.64
		8/18/2020	ND	ND	75.62	5567.42
		11/17/2020	ND	ND	75.64	5567.40
		5/20/2021	ND	ND	75.77	5567.27
		11/9/2021	ND	ND	DRY	N/A
		5/17/2022	ND	ND	DRY	N/A
		11/1/2022	ND	ND	DRY	N/A
MW-51	5639.50	9/23/2019	ND	ND	61.90	5577.60
		10/15/2019	ND	ND	58.68	5580.82
		4/27/2020	ND	ND	51.82	5587.68
		8/18/2020	ND	ND	51.30	5588.20
		11/17/2020	ND	ND	51.12	5588.38
		5/20/2021	ND	ND	50.88	5588.62
		8/23/2021	ND	ND	50.93	5588.57
		8/29/2021	ND	ND	51.03	5588.47
		11/9/2021	ND	ND	50.89	5588.61
		5/17/2022	ND	ND	50.77	5588.73
		11/1/2022	ND	ND	50.82	5588.68
MW-52	5643.83	9/23/2019	ND	ND	52.41	5591.42
		10/15/2019	ND	ND	51.98	5591.85
		4/27/2020	ND	ND	49.90	5593.93
		8/18/2020	ND	ND	49.90	5593.93
		11/17/2020	ND	ND	49.93	5593.90
		5/20/2021	ND	ND	49.94	5593.89
		8/23/2021	ND	ND	50.94	5592.89
		8/24/2021	ND	ND	51.90	5591.93
		8/29/2021	ND	ND	50.66	5593.17
		11/9/2021	ND	ND	50.37	5593.46
		5/17/2022	ND	ND	50.33	5593.50
		11/1/2022	ND	ND	50.51	5593.32
MW-53	5656.17	9/23/2019	ND	ND	59.90	5596.27
		10/15/2019	ND	ND	47.92	5608.25
		4/27/2020	ND	ND	43.35	5612.82
		8/18/2020	ND	ND	43.27	5612.90
		11/17/2020	ND	ND	43.29	5612.88
		5/20/2021	ND	ND	43.07	5613.10
		11/9/2021	ND	ND	43.08	5613.09
		5/17/2022	ND	ND	42.95	5613.22
		11/1/2022	ND	ND	42.96	5613.21

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-54	5651.30	9/23/2019	ND	ND	59.55	5591.75
		10/15/2019	ND	ND	59.56	5591.74
		4/27/2020	ND	ND	59.38	5591.92
		8/18/2020	ND	ND	59.30	5592.00
		11/17/2020	ND	ND	59.41	5591.89
		5/20/2021	ND	ND	59.28	5592.02
		11/9/2021	ND	ND	58.82	5592.48
		5/17/2022	ND	ND	58.64	5592.66
		11/1/2022	ND	ND	58.20	5593.10
MW-55	5633.54	9/23/2019	ND	ND	49.96	5583.58
		10/15/2019	ND	ND	49.29	5584.25
		4/27/2020	ND	ND	48.85	5584.69
		8/18/2020	ND	ND	48.91	5584.63
		11/17/2020	ND	ND	48.93	5584.61
		5/20/2021	ND	ND	48.59	5584.95
		11/9/2021	ND	ND	48.70	5584.84
		5/17/2022	ND	ND	48.53	5585.01
		11/1/2022	ND	ND	48.55	5584.99
MW-56	5627.88	9/23/2019	ND	ND	58.11	5569.77
		10/15/2019	ND	ND	58.45	5569.43
		4/27/2020	ND	ND	59.45	5568.43
		8/18/2020	ND	ND	59.80	5568.08
		11/17/2020	ND	ND	59.80	5568.08
		5/20/2021	ND	ND	DRY	N/A
		11/9/2021	ND	ND	DRY	N/A
		5/17/2022	ND	ND	DRY	N/A
		11/1/2022	ND	ND	DRY	N/A
MW-57	5626.42	8/29/2021	ND	ND	75.83	5550.59
		11/9/2021	ND	ND	72.80	5553.62
		5/17/2022	ND	ND	64.56	5561.86
		11/1/2022	ND	ND	56.38	5570.04
MP-1	5648.53	7/21/2021	ND	ND	58.63	5589.90
		8/23/2021	ND	ND	55.92	5592.61
		8/24/2021	56.00	7.10	63.10	5590.76
		8/29/2021	64.20	>4.4	ND	N/A
		11/9/2021	55.29	7.19	62.48	5591.44
		3/23/2022	54.63	7.52	62.15	5592.02
		5/17/2022	55.26	5.93	61.19	5591.79
		7/29/2022	56.37	4.30	60.67	5591.09
		11/1/2022	55.11	5.18	60.29	5592.13

Table 2
Groundwater Elevation Data
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	LNAPL Thickness (feet)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MP-2	5639.67	7/19/2021	ND	ND	DRY	N/A
		8/23/2021	ND	ND	DRY	N/A
		8/29/2021	ND	ND	DRY	N/A
		11/9/2021	ND	ND	DRY	N/A
		3/23/2022	ND	ND	56.24	N/A
		5/17/2022	ND	ND	55.42	N/A
		7/29/2022	ND	ND	54.68	N/A
		11/1/2022	ND	ND	53.31	N/A
MP-3	5633.96	7/19/2021	ND	ND	75.09	5558.87
		8/23/2021	ND	ND	74.97	5558.99
		8/29/2021	ND	ND	75.03	5558.93
		11/9/2021	ND	ND	75.25	5558.71
		3/23/2022	ND	ND	75.68	5558.28
		5/17/2022	ND	ND	75.80	5558.16
		11/1/2022	ND	ND	76.06	5557.90
TW-2	5649.45	8/29/2021	ND	ND	DRY	N/A
		11/9/2021	61.89	>0.61	ND	N/A
		3/23/2022	60.94	1.22	62.16	5588.21
		5/17/2022	61.36	0.63	61.99	5587.93
		5/17/2022	61.28	1.63	62.91	5587.76
		11/1/2022	61.06	0.63	61.69	5588.23
TW-3	5639.78	8/29/2021	ND	ND	DRY	N/A
		11/9/2021	ND	ND	DRY	N/A
		3/23/2022	ND	ND	DRY	N/A
		5/17/2022	ND	ND	DRY	N/A
		11/1/2022	ND	ND	DRY	N/A
TW-4	5633.78	8/29/2021	ND	ND	DRY	N/A
		11/9/2021	ND	ND	75.26	5558.52
		3/23/2022	ND	ND	75.69	5558.09
		5/17/2022	ND	ND	75.81	5557.97
		11/1/2022	ND	ND	76.02	5557.76

Notes:

Monitoring wells abandoned prior to 2017 have been removed from the table.

Static groundwater level is calculated by: [Top of casing elevation – depth to water + (free product thickness × 0.75)]

ft amsl = feet above mean sea level

ft btoc = feet below top of casing

NA = Historical data not available

NM = not measured

LNAPL = Light non-aqueous phase liquid

ND = LNAPL not detected

N/A = Elevation not determined

TOC = top of casing

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

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62
MW-23	9/25/1992	2.77	0.221	7.69	6.09
	2/1/1993	2.9	3.5	0.19	4.1
	2/25/1993	2.9	0.19	3.5	4.1
	6/8/1993	1.68	0.0301	1.85	2.906
	9/29/1993	2.133	0.216	1.807	3.823
	2/10/1994	2.09	0.151	1.15	2.66
	5/13/1994	3.53	0.255	0.852	2.15
	8/22/1994	3.27	0.212	0.353	1.176
	11/13/2000	3.7	<0.025	0.84	1.4
	3/26/2001	7.2	<0.025	0.52	1.3
	5/30/2002	9.3	<0.05	0.36	1.5
	6/2/2003	8.92	<0.010	0.337	1.45
	8/4/2003	2.25	<0.010	0.1	0.337
	9/3/2003	3.86	0.0078	0.208	0.768
	12/16/2003	5.08	<0.05	<0.05	0.219
	5/17/2004	8.02	<0.013	0.208	1.49
	8/23/2004	4.48	<0.025	0.16	0.966
	11/22/2004	3.36	<0.001	<0.001	<0.002
	2/23/2005	7.45	<0.001	0.321	1.38
	5/23/2005	9.9	0.0365	0.27	1.65
	8/30/2005	3.76	<0.005	0.0532	0.199
	11/17/2005	5.28	0.0026	0.203	0.863
	2/21/2006	4.9	0.0049	0.0567	0.71
	6/8/2006	3.47	<0.001	<0.001	0.373
	8/15/2006	6.49	0.0266	0.165	1.27
	11/3/2006	3.92	0.0263	0.103	0.735
	2/26/2007	8.91	0.0307	0.276	1.6
	5/29/2007	6.41	<0.011	0.276	1.24
	8/22/2007	5.11	0.0145	0.172	0.855
	11/28/2007	5.82	<0.05	0.147	1.08
	2/20/2008	8.29 B	0.0093	0.271	1.87 B
	5/22/2008	4.86	<0.1	0.14	0.891
	8/21/2008	5.92	<0.1	0.146	1.25
	11/6/2008	6.59	0.0042	0.186	1.4
	2/17/2009	6.01	<0.05	0.219	1.52
	5/11/2009	6.74	0.0054	0.162	1.53
	8/26/2009	6.71	0.0358 J	0.278	1.72
	2/18/2010	6.55	<0.1	0.227	1.5
	8/25/2010	5.5	<0.025	0.152	1.22
	2/23/2011	5.84	0.0088	0.16	1.23
	8/31/2011	6.27	0.0038	0.174	1.38
	12/17/2013	6.34	0.00965 J	0.101	0.964
	6/19/2014	8.58	<0.0075	0.149	1.48
	12/17/2014	9.7	<0.0075	0.141	1.41
	6/24/2015	7.64	<0.00396	0.224	0.983
	12/16/2015	8.09	<0.00396	0.169	1.36
	6/29/2016	9.13	<0.00396	0.181	1.58
	12/13/2016	9.13	<0.0099	0.206	1.66
	4/27/2017	7.89	<0.0099	0.163	1.21
	11/14/2017	8.61	0.0037 J	0.166	1.13
	4/2/2018	8.13	<0.0099	0.206	1.69
	11/14/2018	9.87	<0.0099	0.174	1.16
	4/17/2019	10.5	<0.00495	0.211	1.26
	9/24/2019	10.7	0.0139	0.362	1.82
	4/28/2020	8.75	<0.00396	0.159	0.945
	11/18/2020	7.8 J-	<0.021	0.087 J-	0.51 J-
	5/20/2021	9.0	<0.021	0.25	1.4
	11/10/2021	7.7	<0.021	0.13	0.75
	5/17/2022	7.2	<0.021	0.11	0.71
	11/2/2022	9.6	<0.041	0.15	0.94 J

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

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62
MW-32	8/26/2009	9.05	16.3	0.48	6.39
	2/18/2010	11.3	16.2	0.397	4.96
	2/22/2011	9.45	12.1	0.386	4.63
	12/17/2013	5.88	0.54	0.303	4.3
	6/19/2014	6.65 JH	2.24	0.324	5.41
	12/17/2014	1.57	0.736	0.098	1.57
	6/24/2015	3.91	0.0807	0.504	4.08
	12/16/2015	4.2	1.95	0.499	7.56
	6/29/2016	7.01	15	0.624	24.8
	12/13/2016	5.84	2.14	0.57	6.74
	4/27/2017	10.2	8.65	0.497	6.53
	11/14/2017	6.53	11	0.447	5.91
	4/2/2018	4.92	4.38	0.516	7.73
	11/14/2018	4.42	0.389 J	0.384	4.98
	4/17/2019	Sample not collected. LNAPL in well.			
	10/15/2019	Sample not collected. LNAPL in well.			
	4/28/2020	Sample not collected. LNAPL in well.			
	11/18/2020	Sample not collected. LNAPL in well.			
MW-33	5/20/2021	Sample not collected. LNAPL in well.			
	11/9/2021	Sample not collected. LNAPL in well.			
	5/17/2022	Sample not collected. LNAPL in well.			
	11/2/2022	Sample not collected. LNAPL in well.			
	6/8/2006	0.0011	0.0042	<0.001	0.0045
	8/15/2006	0.0301	0.0377	<0.05	0.0246
	11/3/2006	<0.001	0.0013	<0.001	<0.002
	2/26/2007	<0.001	<0.001	<0.001	<0.002
	5/29/2007	<0.001	<0.001	<0.001	<0.002
	8/22/2007	<0.001	<0.001	<0.001	<0.002
	11/28/2007	<0.002	<0.002	<0.002	<0.006
	2/20/2008	0.00099 UB	0.001 UB	<0.001	0.001 UB
	5/22/2008	<0.001	<0.001	<0.001	<0.002
	8/21/2008	<0.001	<0.001	<0.001	<0.003
	11/6/2008	0.0021	<0.002	<0.002	0.002 J
	2/17/2009	0.0015	0.00030 J	<0.001	0.0022
	5/11/2009	<0.002	<0.002	<0.002	<0.006
	8/26/2009	<0.001	<0.001	<0.001	<0.002
	2/18/2010	0.00098 J	<0.001	<0.001	0.00099 J
	8/25/2010	0.0004 J	<0.001	<0.001	<0.002
	2/22/2011	0.00055 J	<0.001	<0.001	<0.001
	8/31/2011	0.00045 J	<0.001	<0.001	<0.001
	12/17/2013	0.00501	0.000221 J	0.000110 J	0.000444 J
	6/19/2014	<0.00008	<0.00015	<0.00011	<0.00026
	12/17/2014	<0.00008	<0.00015	<0.00011	<0.00026
	6/24/2015	<0.000176	<0.000198	<0.000212	<0.000366
	12/16/2015	0.000185	0.000634	<0.000212	0.000422
	6/29/2016	<0.000176	0.000544 J	<0.000212	0.00131 J
	12/13/2016	<0.000176	<0.000198	<0.000212	<0.000366
	4/27/2017	<0.000176	<0.000198	<0.000212	<0.000366
	11/14/2017	<0.000176	<0.000198	<0.000212	<0.000366
	4/2/2018	<0.000176	<0.000198	<0.000212	<0.000366
	11/14/2018	<0.000176	<0.000198	<0.000212	<0.000366
	4/17/2019	<0.000176	<0.000198	<0.000212	<0.000366
	9/24/2019	0.00035 J	<0.0002	<0.00021	<0.00037
	4/28/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	<0.00038	<0.00041	<0.00050	<0.0016
	7/16/2021	Monitoring well plugged and abandoned.			
MW-40	11/14/2017	<0.000176	<0.000198	<0.000212	<0.000366
	4/2/2018	<0.000176	<0.000198	<0.000212	<0.000366
	11/14/2018	<0.000176	<0.000198	<0.000212	<0.000366
	4/17/2019	<0.000176	<0.000198	<0.000212	<0.000366
	9/24/2019	<0.00018	<0.0002	<0.00021	<0.00037
	4/27/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	<0.00038	<0.00041	<0.00050	<0.0016
	11/10/2021	<0.00013	<0.00041	<0.00050	<0.0016
	5/17/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/2/2022	<0.00013	<0.00041	<0.00050	<0.0016

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

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62
MW-41	11/14/2017	0.000239 J	0.000536 J	<0.000212	<0.000366
	4/2/2018	<0.000176	<0.000198	<0.000212	<0.000366
	11/14/2018	<0.000176	<0.000198	<0.000212	<0.000366
	4/16/2019	<0.000176	<0.000198	<0.000212	<0.000366
	9/24/2019	<0.00018	<0.0002	<0.00021	<0.00037
	4/27/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	<0.00038	<0.00041	<0.00050	<0.0016
	11/10/2021	<0.00013	<0.00041	<0.00050	<0.0016
	5/17/2022	<0.00013	<0.00041	<0.00050	<0.0016
MW-42	11/2/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/14/2017	<0.000176	<0.000198	<0.000212	<0.000366
	4/2/2018	<0.000176	<0.000198	<0.000212	<0.000366
	11/14/2018	<0.000176	<0.000198	<0.000212	<0.000366
	4/16/2019	<0.000176	<0.000198	<0.000212	0.000403 J
	9/23/2019	<0.00018	<0.0002	<0.00021	<0.00037
	4/27/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	<0.00038	<0.00041	<0.00050	<0.0016
	11/10/2021	<0.00013	<0.00041	<0.00050	<0.0016
MW-43	5/17/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/2/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/14/2017	<0.000176	<0.000198	<0.000212	<0.000366
	4/2/2018	<0.000176	<0.000198	0.000226 J	<0.000366
	11/14/2018	<0.000176	<0.000198	<0.000212	0.000967 J
	4/17/2019	<0.000176	<0.000198	<0.000212	<0.000366
	9/24/2019	<0.00018	<0.0002	<0.00021	0.00059 J
	4/28/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	0.00051 J	<0.00041	<0.00050	<0.0016
MW-44	11/10/2021	0.00044 J	<0.00041	<0.00050	<0.0016
	5/17/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/2/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/14/2017	0.227	0.000245 J	0.0177	0.000451 J
	4/2/2018	0.675	<0.00099	0.00198 J	<0.00183
	11/14/2018	0.646	<0.00099	0.00421 J	<0.00183
	4/16/2019	1.43	<0.00198	0.0161	<0.00366
	9/24/2019	1.32	<0.00396	0.0122 J	<0.00732
	4/28/2020	0.796	<0.00396	0.013 J	<0.00732
	11/18/2020	0.34 J-	<0.00082	0.0058 J-	<0.0032
MW-45	11/18/2020 (Dup-01)	0.25 J-	<0.00041 UJ	0.0062 J-	<0.0016 UJ
	5/20/2021	0.34	<0.00082	0.0093	<0.0032
	5/20/2021 (Dup-02)	0.35	<0.00082	0.010	<0.0032 J
	11/10/2021	0.57	<0.0021	0.016	<0.0080
	5/17/2022	0.18	<0.00082	0.011	<0.0032
	11/2/2022	0.20	<0.00082	0.0081	<0.0032
	11/2/2022 (Dup-01)	0.24	<0.00082	0.011	<0.0032
	11/14/2017	1.25	0.0053	0.201	1.66
	4/2/2018	1.65	0.0116	0.254	0.0524
	11/14/2018	6.47	0.107	0.103	0.315
MW-46	4/17/2019	2.5 J	<0.00396	<0.00424	<0.00732
	9/24/2019	2.86	0.126	0.0678	0.353
	4/28/2020	0.15	0.00143	0.000996 J	0.00465
	11/18/2020	0.32	0.0056	0.0021	0.012 J
	5/20/2021	1.6	0.084	0.047	0.31
	11/10/2021	0.26	<0.00082	0.0045	0.0038 J
	5/17/2022	0.069	0.0011	0.00057 J	0.0021 J
	11/2/2022	0.0073	<0.00041	<0.00050	<0.0016
	11/14/2017	<0.000176	<0.000198	<0.000212	<0.000366
	4/2/2018	<0.000176	<0.000198	<0.000212	<0.000366
MW-46	11/14/2018	0.000258 J	<0.000198	<0.000212	<0.000366
	4/16/2019	0.000234 J	<0.000198	<0.000212	<0.000366
	9/23/2019	<0.00018	<0.0002	<0.00021	<0.00037
	4/28/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	<0.00038	<0.00041	<0.00050	<0.0016
	11/20/2021	<0.00013	<0.00041	<0.00050	<0.0016
	5/17/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/2/2022	<0.00013	<0.00041	<0.00050	<0.0016

Table 3
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Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62
MW-47	11/14/2017	0.831	0.0935	0.0529	0.327
	4/2/2018	1.33	0.0185 J	0.130	0.256
	11/14/2018	2.28	0.239	0.314	2.79
	4/16/2019	2.55	0.239	0.379	4.55
	10/15/2019	Sample not collected. LNAPL in well.			
	4/28/2020	Sample not collected. LNAPL in well.			
	11/18/2020	Sample not collected. LNAPL in well.			
	5/20/2021	Sample not collected. LNAPL in well.			
	11/9/2021	Sample not collected. LNAPL in well.			
	5/17/2022	Sample not collected. LNAPL in well.			
	11/2/2022	Sample not collected. LNAPL in well.			
MW-48	11/14/2017	0.969	0.994	0.0241	0.294
	4/2/2018	1.47	0.0216	0.0440	0.107
	11/14/2018	1.21	0.00487 J	0.0346	0.00919 J
	4/16/2019	0.706	0.00164	0.0491	0.00238
	9/24/2019	1.4	0.00245 J	0.0351	0.00813 J
	4/28/2020	1.8	0.000852 J	0.0342	0.000465 J
	11/18/2020	1.8	<0.0041	0.019	<0.016
	11/18/2020 (Dup-02)	1.8	<0.0041	0.020	<0.016
	5/20/2021	3.1	<0.0082	0.056	<0.032
	5/20/2021 (Dup-01)	2.4	<0.0041	0.052	<0.016
	11/10/2021	2.2	<0.0041	0.033	<0.016
	11/10/2021 (Dup-01)	2.2	<0.0082	0.022	<0.032
	5/17/2022	3.1	<0.0082	0.033	<0.032
	5/17/2022 (Dup-01)	3.0	<0.0041	0.028	<0.016
	11/2/2022	2.2	<0.0041	0.016	<0.016
MW-49	9/24/2019	<0.00018	0.0002 J	<0.00021	<0.00037
	4/28/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	Sample not collected. Dry well.			
	11/10/2021	Sample not collected. Dry well.			
	5/17/2022	Sample not collected. Dry well.			
	11/2/2022	Sample not collected. Dry well.			
MW-50	9/23/2019	<0.00018	<0.0002	<0.00021	<0.00037
	4/28/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	Sample not collected. Dry well.			
	11/10/2021	Sample not collected. Dry well.			
	5/17/2022	Sample not collected. Dry well.			
	11/2/2022	Sample not collected. Dry well.			
MW-51	9/24/2019	0.201	0.0621	0.00655	0.161
	4/28/2020	<0.000176	<0.000198	0.000331 J	<0.000366
	4/28/2020 (MD-51)	<0.000176	<0.000198	0.000394 J	<0.000366
	11/18/2020	0.58	0.0048 J	0.029	0.032 J
	5/20/2021	0.66 F1J-	0.0025 J	0.027 F1F2JJ-	<0.0080 F1F2UJ
	11/10/2021	0.51	0.0020	0.016	0.0052 J
	5/17/2022	0.48	<0.0021	0.0073	<0.0080
	11/2/2022	0.78	0.0022 J	0.013	<0.0080
MW-52	9/24/2019	<0.00018	<0.0002	0.00043 J	<0.00037
	4/28/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	0.23 J-	<0.00041	0.0072 J-	<0.0016
	5/20/2021	0.30	<0.00082	0.0092	<0.0032
	11/10/2021	0.32	0.0011 J	0.0041	0.0058 J
	5/17/2022	0.38 F1	<0.00082	0.0037	<0.0032
	11/2/2022	0.38	<0.00082	0.0027	<0.0032
MW-53	9/24/2019	<0.00018	<0.0002	<0.00021	<0.00037
	4/27/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	<0.00038	<0.00041	<0.00050	<0.0016
	11/10/2021	<0.00013	<0.00041	<0.00050	<0.0016
	5/17/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/2/2022	<0.00013	<0.00041	<0.00050	<0.0016
MW-54	9/24/2019	<0.00018	<0.0002	<0.00021	<0.00037
	4/28/2020	<0.000176	<0.000198	<0.000212	<0.000366
	4/28/2020 (MD-54)	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	<0.00038	<0.00041	<0.00050	<0.0016
	11/10/2021	<0.00013	<0.00041	<0.00050	<0.0016
	5/17/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/2/2022	<0.00013	<0.00041	<0.00050	<0.0016

Table 3
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Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62
MW-55	9/24/2019	<0.00018	<0.0002	<0.00021	0.00051 J
	4/27/2020	0.00697	0.00253	<0.000212	0.000644 J
	11/18/2020	0.0048	0.00097 J	<0.00050	<0.0016
	5/20/2021	0.0051	0.0011	<0.00050	<0.0016
	11/10/2021	0.004	0.0023	<0.00050	<0.0016
	5/17/2022	0.0072	0.0029	<0.00050	<0.0016
	11/2/2022	0.0022	<0.00041	<0.00050	<0.0016
MW-56	9/24/2019	<0.00018	<0.0002	<0.00021	<0.00037
	4/28/2020	<0.000176	<0.000198	<0.000212	<0.000366
	11/18/2020	<0.00038	<0.00041	<0.00050	<0.0016
	5/20/2021	Sample not collected. Dry well.			
	11/10/2021	Sample not collected. Dry well.			
	5/17/2022	Sample not collected. Dry well.			
MW-57	11/10/2021	<0.00013	<0.00041	<0.00050	<0.0016
	5/17/2022	<0.00013	<0.00041	<0.00050	<0.0016
	11/2/2022	<0.00013	<0.00041	<0.00050	<0.0016

Notes:

Analytical data from monitoring wells abandoned prior to 2017 has been removed from the table

Bolded text indicates a detected concentration

Highlighted cells and bold text indicates the concentration exceeded NMWQCC standard

B = Analyte detected in an associated QA/QC blank; sample result unaffected

F1 = MS and/or MSD recovery exceeds control limits

F2 = MS/MSD RPD exceeds control limits

J = Analyte detected at concentration above instrument detection limit but below method detection limit

J- = The analyte was positively identified; the quantitation is an estimation with a potential low bias

JH = Estimated with a high bias, actual concentration may be lower than the concentration reported

LNAPL = Light non-aqueous phase liquid

UB = Analyte detected in an associated QA/QC blank; sample result considered non-detect

UJ = The method detection limit is estimated

< = The analyte was not detected above the listed method detection limit

Table 4
Summary of Nitrate Groundwater Analytical Results
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate (mg/L)
NMWQCC Standard (mg/L):		10
MW-23	4/2/2018	<0.628
	9/24/2019	1.26 J
	4/28/2020	<0.0251
	11/18/2020	0.10
	5/20/2021	<0.33
	11/10/2021	<0.063
MW-32	5/17/2022	<0.63
	4/2/2018	<0.628
	9/24/2019	NC
	4/28/2020	NC
	11/18/2020	NC
	5/20/2021	NC
MW-33	11/10/2021	NC
	5/17/2022	NC
	12/17/2014	19
	11/14/2017	80.9
	4/2/2018	154
	11/14/2018	87.8
	4/17/2019	72
	9/24/2019	80.4
MW-40	4/28/2020	<0.0251
	11/18/2020	54 J-
	5/20/2021	57
	11/14/2017	<0.017
	4/2/2018	<0.628
	11/14/2018	12.5
	4/17/2019	1.17
	9/24/2019	0.58
MW-41	4/27/2020	15.4
	11/18/2020	40 J-
	5/20/2021	51
	11/10/2021	54 HJ-
	5/17/2022	61
	11/14/2017	<0.017
	4/2/2018	<0.628
	11/14/2018	<0.0251
MW-42	4/16/2019	<0.0251
	9/24/2019	<0.0251
	4/27/2020	<0.502
	11/18/2020	4.9
	5/20/2021	5.1
	11/10/2021	6.6
MW-43	5/17/2022	11
	4/2/2018	<0.628
	9/24/2019	<0.0251
	4/28/2020	<0.0251
	11/18/2020	<0.033
	5/20/2021	<0.33
MW-43	11/10/2021	<0.063
	5/17/2022	<0.63

Table 4
Summary of Nitrate Groundwater Analytical Results
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate (mg/L)
NMWQCC Standard (mg/L):		10
MW-44	4/2/2018	<0.628
	9/24/2019	<0.0251
	4/28/2020	<0.0251 R
	11/18/2020	0.089 J
	11/18/2020	0.095 J
	5/20/2021	<0.33
	5/20/2021 (Dup-02)	<0.33
	11/10/2021	<0.063
MW-45	5/17/2022	<0.63
	4/2/2018	<0.628
	9/24/2019	<0.0251
	4/28/2020	<0.0251
	11/18/2020	<0.033
	5/20/2021	<0.33
	11/10/2021	0.27
MW-46	5/17/2022	<0.32
	4/2/2018	<0.628
	9/23/2019	<0.0251
	4/28/2020	<0.0251
	11/18/2020	<0.033
	5/20/2021	0.39 J
	11/10/2021	<0.063
MW-47	5/17/2022	<0.63
	4/2/2018	<0.628
	9/24/2019	NC
	4/28/2020	NC
	11/18/2020	NC
	5/20/2021	NC
	11/10/2021	NC
MW-48	5/17/2022	NC
	4/2/2018	<0.628
	9/24/2019	<0.0251
	4/28/2020	<0.0251
	11/18/2020	<0.033
	11/18/2020 (Dup-02)	<0.033 UJ
	5/20/2021	<0.033
	5/20/2021 (Dup-01)	<0.033
	11/10/2021	<0.063
	11/10/2021 (Dup-01)	<0.063
MW-49	5/17/2002	<0.63
	5/17/2002 (Dup-01)	<0.63
	9/24/2019	<0.0251
	4/28/2020	<0.0251
	11/18/2020	<0.033
	5/20/2021	NC
	11/10/2021	NC
MW-50	5/17/2022	NC
	9/23/2019	16.7 J
	4/28/2020	4.08
	11/18/2020	4.2
	5/20/2021	NC
	11/10/2021	NC
MW-51	5/17/2022	NC
	9/24/2019	<0.0251
	4/28/2020	<0.0251
	4/28/2020 (MD-51)	<0.0251
	11/18/2020	<0.033
	5/20/2021	0.33
	11/10/2021	<0.063
	5/17/2022	<0.63

Table 4
Summary of Nitrate Groundwater Analytical Results
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

Monitoring Well	Sample Date	Nitrate (mg/L)
NMWQCC Standard (mg/L):		10
MW-52	9/24/2019	1.04
	4/28/2020	<0.0251
	11/18/2020	<0.033
	5/20/2021	<0.033
	11/10/2021	<0.063
	5/17/2022	<0.63
MW-53	9/24/2019	<0.0251 R
	4/27/2020	<0.502 J
	11/18/2020	<0.033
	5/20/2021	<0.033
	11/10/2021	<0.063
	5/17/2022	<0.63
MW-54	9/24/2019	<0.0251
	4/28/2020	<0.0251
	4/28/2020 (MD-54)	<0.0251
	11/18/2020	13 J-
	5/20/2021	8.6
	11/10/2021	14 HJ-
MW-55	5/17/2022	13
	9/24/2019	<0.0251
	4/27/2020	<0.502
	11/18/2020	<0.033
	5/20/2021	<0.033
	11/10/2021	<0.063
MW-56	5/17/2022	<0.63
	9/24/2019	<0.0251
	4/28/2020	<0.0251
	11/18/2020	0.46
	5/20/2021	NC
	11/10/2021	NC
MW-57	5/17/2022	NC
	11/10/2021	4.9
	5/17/2022	10

Notes:**Bolded text indicates detected concentration****Highlighted and bold cells indicate concentration exceeded NMWQCC standard**

< = analyte not detected above listed method detection limit

H = sample was prepped or analyzed beyond the specified holding time

J = reported result estimated

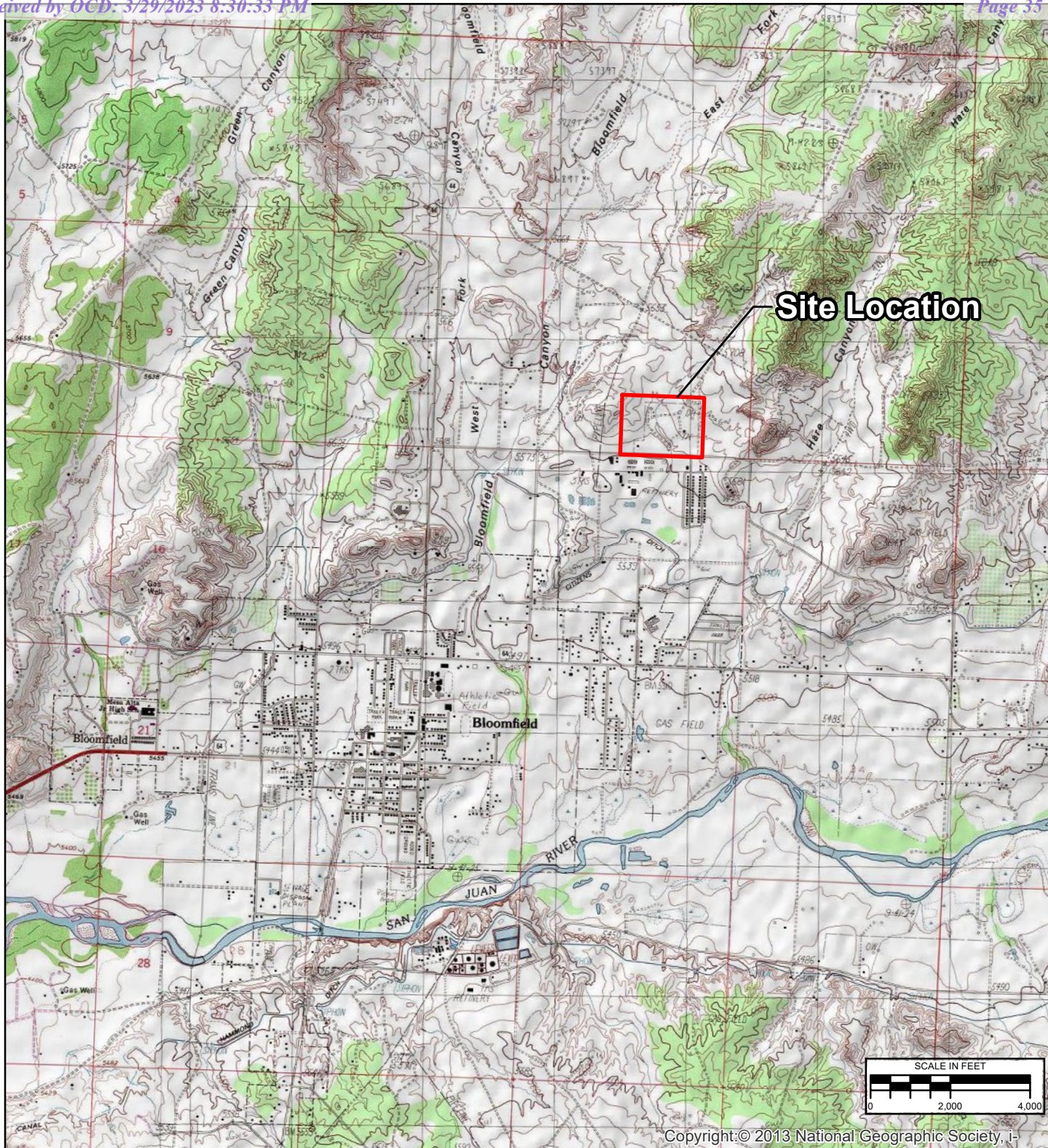
J- = The analyte was positively identified; the quantitation is an estimation with a potential low bias

NC = sample not collected from location

R = analytical result rejected due to poor recovery on the matrix spike/matrix spike duplicate

UJ = The method detection limit is estimated

FIGURES



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National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA,

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/9/2021	SLG	SLG	SRV

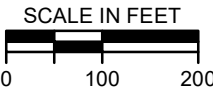
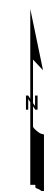
TITLE	SITE LOCATION	
PROJECT	BLANCO NORTH FLARE PIT BLOOMFIELD, NEW MEXICO	
FIGURE	1	

\\Us0389-ppfss01\shared_projects\193710238\07_historical\SJRB GENERAL\GIS-NEW_MXD\BLANCO NORTH FLARE PIT\2021\Figure_1_BNFP_Site_Map_2021-09.mxd



LEGEND

- MONITORING WELL
- TEST WELL
- MONITORING POINT
- ABANDONED/DESTROYED MONITORING WELL
- SOIL BORING
- FENCE
- GATE
- FORMER SITE FEATURES
- FORMER FLARE PIT
- STUDY AREA



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	9/2/2021	SAH	SAH	SRV

TITLE:

SITE PLAN

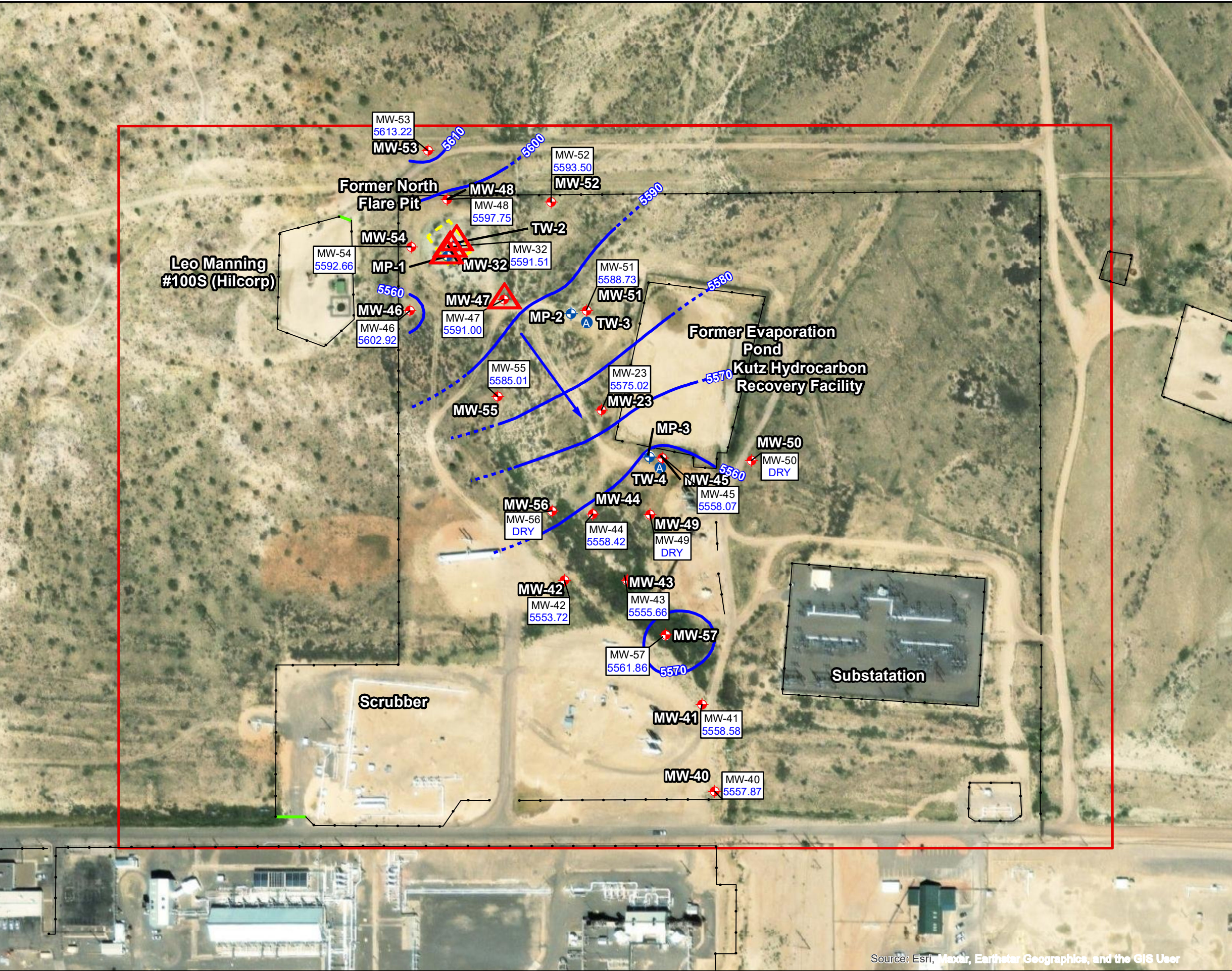
PROJECT: **BLANCO PLANT - NORTH FLARE PIT
BLOOMFIELD, NEW MEXICO**



Figure No.: **2**

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

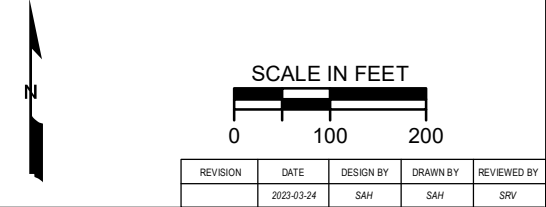
\\cd1001-c200\CTX-CIFSS\VD\Redirect\shansen\Desktop\GIS-NEW\MXDs\BLANCO NORTH FLARE PIT\2022\Figure_3_Blanco_GECM_1SA.mxd



LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- MONITORING WELL
- MONITORING WELL
- FENCE
- GATE
- FORMER FLARE PIT
- STUDY AREA
- GROUNDWATER ELEVATION CORRECTED FOR LNAPL THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).
- 6021.62
- CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).
- 5564
- DIRECTION OF APPARENT GROUNDWATER FLOW
- GROUNDWATER ELEVATION APPEARS ANOMOLOUS AND WAS NOT USED TO PREPARE COUNTOURING GROUNDWATER ELEVATION.

NOTE:
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID



TITLE:
GROUNDWATER ELEVATION MAP
MAY 17, 2022

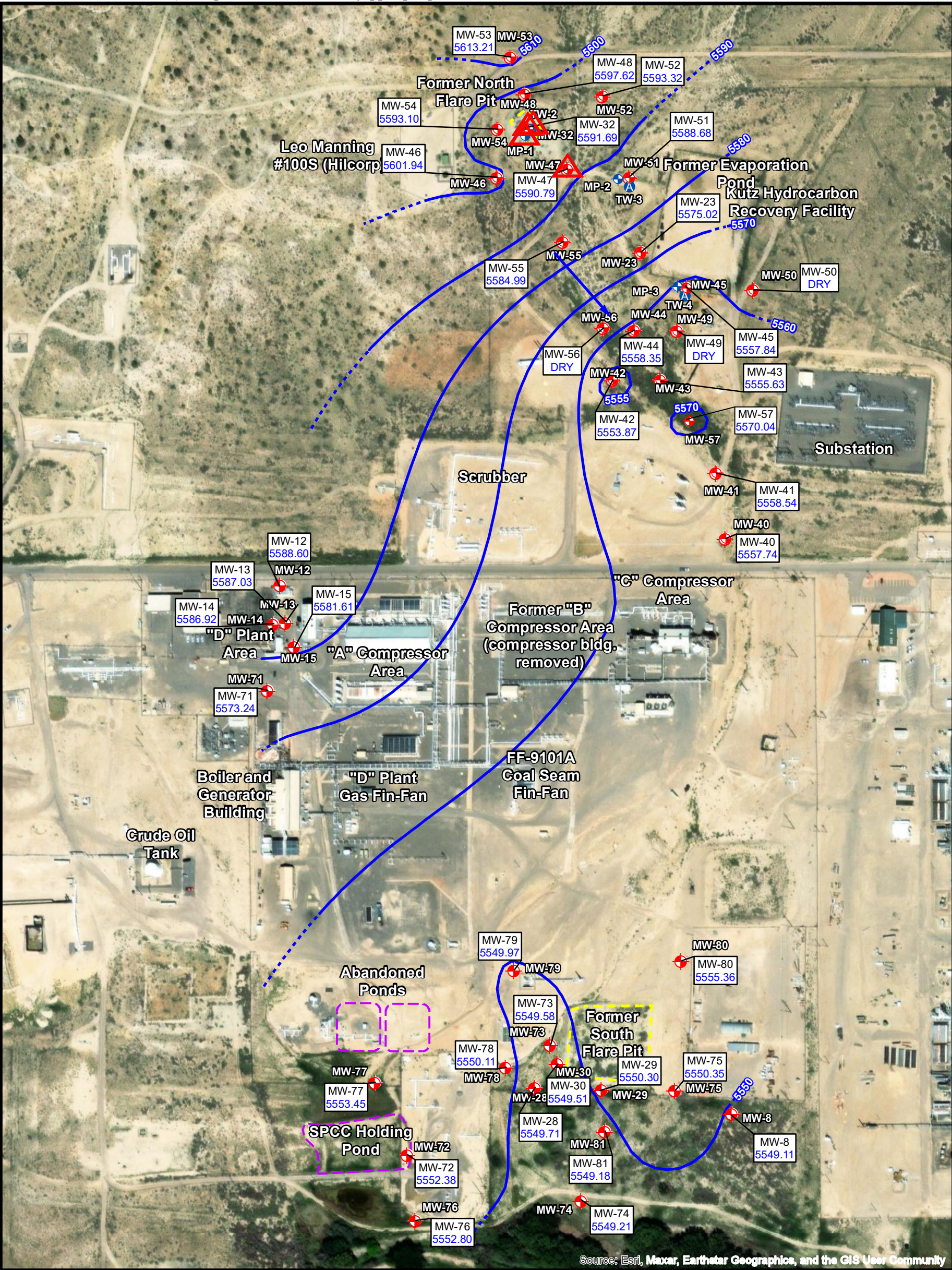
PROJECT:
BLANCO PLANT - NORTH FLARE PIT
BLOOMFIELD, NEW MEXICO



Figure No.:
3

Source: Esri, Maxar, Earthstar Geographics, and the GIS User

\\cd1001-c2001CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXD\BLANCO NORTH FLARE PIT\2022\Figure_4_Blanco_GECM_11-01-2022.mxd



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

LEGEND

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

NOTE:
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

SCALE IN FEET
0 200 400

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-03-13	SLG	SLG	SRV

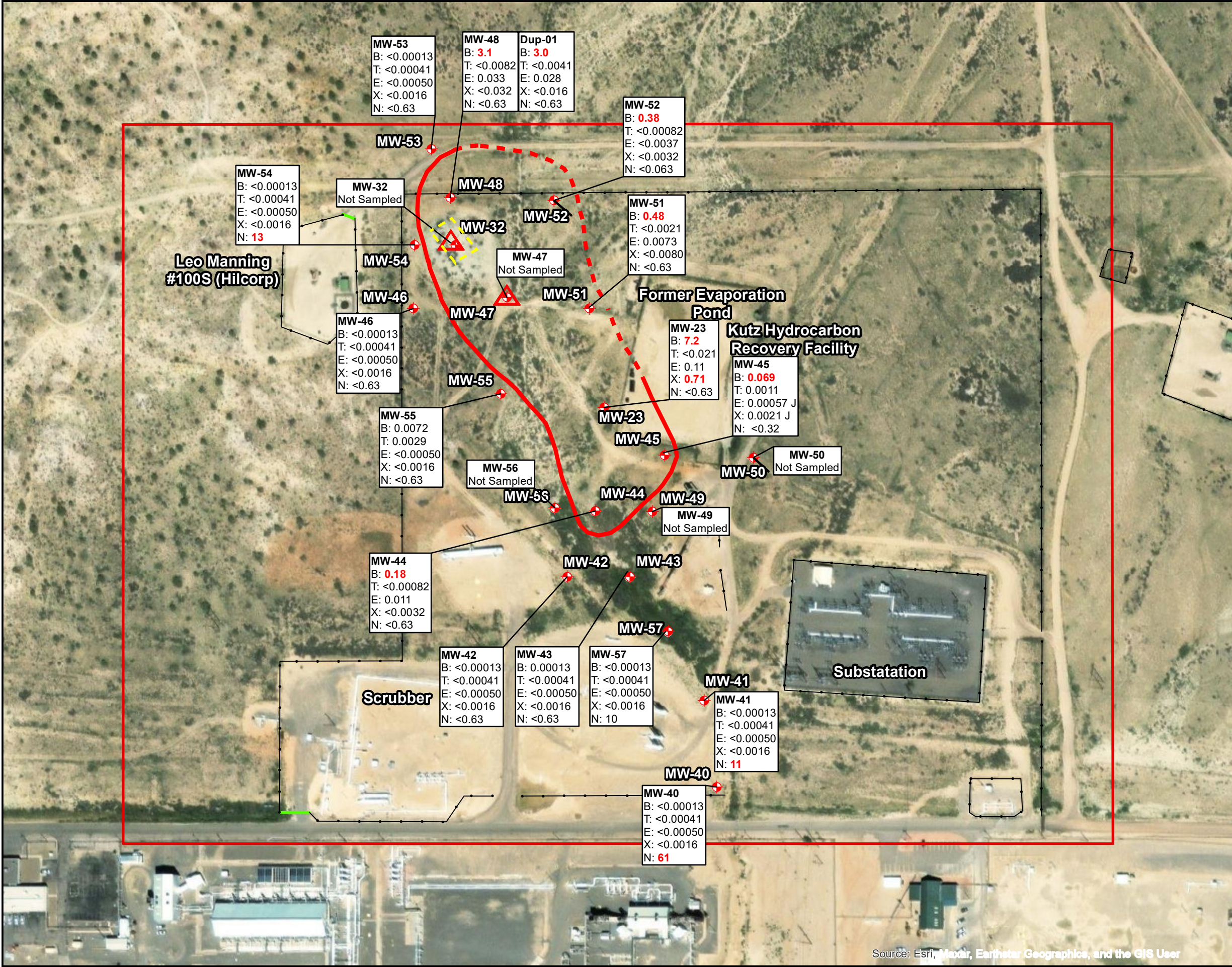
TITLE:
**GROUNDWATER ELEVATION MAP
NOVEMBER 01, 2022**

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

Stantec

Figure No.:
4

\\cd1001-c200\CTX-CIFSS\VD\Redirec\shansen\Desktop\GIS-NEW\MXDs\BLANCO NORTH FLARE PIT\2022\Figure_5_BNFP_BTEXN_1SA.mxd



LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- FENCE
- GATE
- FORMER FLARE PIT
- STUDY AREA
- BENZENE 0.01 mg/L ISOCONCENTRATION IN GROUNDWATER. DASHED WHERE INFERRED.

NOTE:
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

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
J = INDICATES ESTIMATED CONCENTRATION INDETERMINATE BIAS
J- = INDICATES ESTIMATED CONCENTRATION BIAS LOW
MD-XX = DUPLICATE SAMPLE RESULT

ANALYTE	NMWCQC STANDARDS
B = Benzene	0.01 mg/L
T = Toluene	0.75 mg/L
E = Ethylbenzene	0.75 mg/L
X = Total Xylenes	0.62 mg/L
N = Nitrate	10 mg/L

SCALE IN FEET

0 100 200

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-03-24	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
MAY 17, 2022

PROJECT:

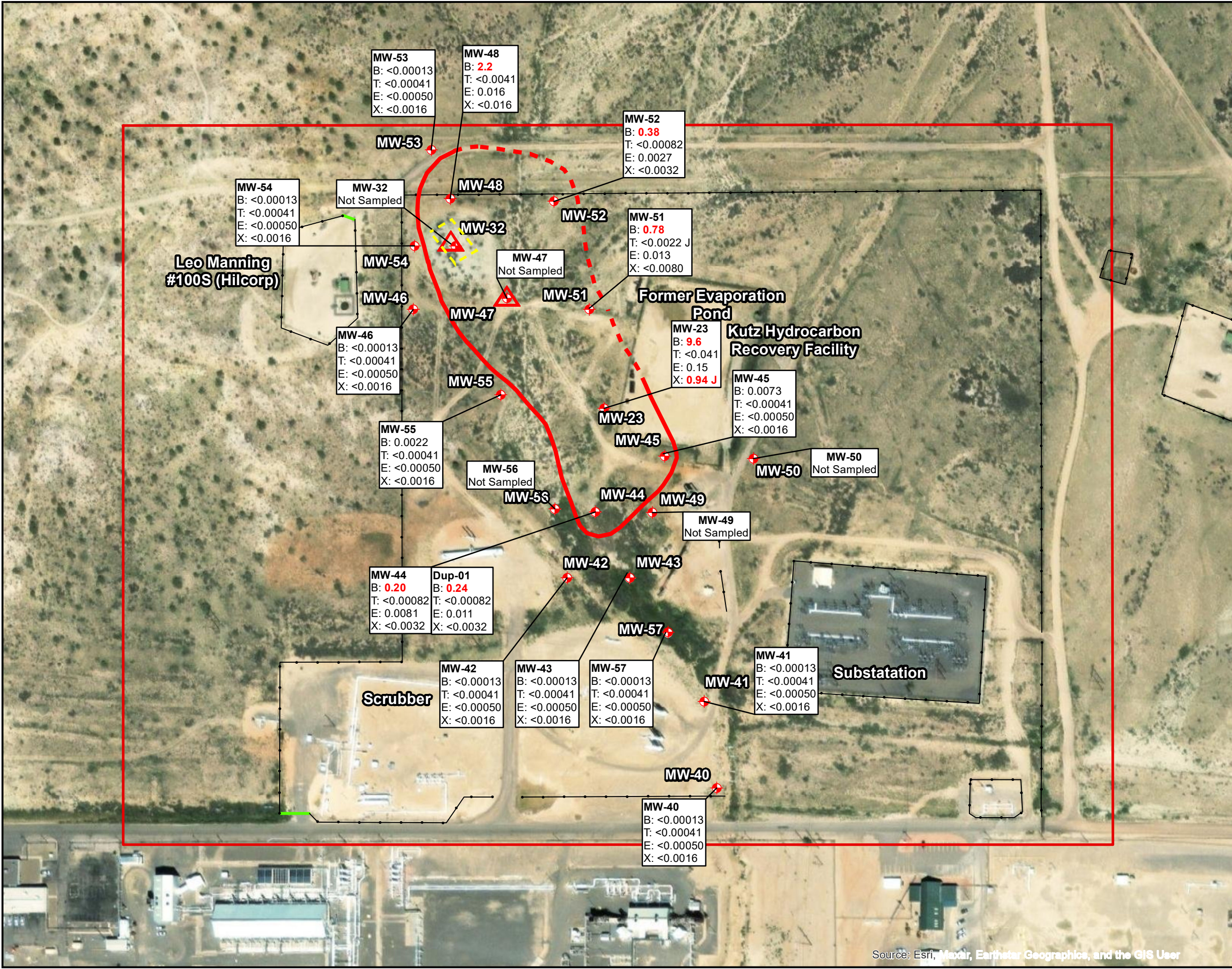
BLANCO PLANT - NORTH FLARE PIT
BLOOMFIELD, NEW MEXICO

Stantec

Figure No.:
5

Source: Esri, Maxar, Earthstar Geographics, and the GIS User

\\cd1001-c200\CTX-CIFSS\VD\Redirect\shansen\Desktop\GIS-NEW_MXD\BLANCO NORTH FLARE PIT\2022\Figure_6_BNFP_BTENX_2SA.mxd



LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- FENCE
- GATE
- FORMER FLARE PIT
- STUDY AREA
- BENZENE 0.01 mg/L ISOCONCENTRATION IN GROUNDWATER. DASHED WHERE INFERRED.

NOTE:
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

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
J = INDICATES ESTIMATED CONCENTRATION INDETERMINATE BIAS
J- = INDICATES ESTIMATED CONCENTRATION BIAS LOW
MD-XX = DUPLICATE SAMPLE RESULT

ANALYTE	NMWWCC STANDARDS
B = Benzene	0.01 mg/L
T = Toluene	0.75 mg/L
E = Ethylbenzene	0.75 mg/L
X = Total Xylenes	0.62 mg/L
N = Nitrate	10 mg/L

SCALE IN FEET

0 100 200

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-03-24	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
NOVEMBER 2, 2022

PROJECT:

BLANCO PLANT - NORTH FLARE PIT
BLOOMFIELD, NEW MEXICO

Stantec

Figure No.:
6

Source: Esri, Maxar, Earthstar Geographics, and the GIS User

APPENDICES

APPENDIX A

From: [Varsa, Steve](#)
To: [Smith, Cory, EMNRD](#)
Cc: [Griswold, Jim, EMNRD](#); [Wiley, Joe](#)
Subject: Blanco Gas Plant - North Flare Pit (NAUTOFCS000155)- notice of upcoming activities
Date: Tuesday, March 15, 2022 5:15:53 PM

Hi Cory – on behalf of El Paso CGP Company, Stantec is planning to complete quarterly free product recovery activities at the subject site on March 23, 2022.

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

Thank you,
Steve

Stephen Varsa, P.G.
Senior 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

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From: [Varsa, Steve](#)
To: Nelson.Velez@state.nm.us
Cc: [Bratcher, Mike, EMNRD](#); [Wiley, Joe](#)
Subject: Blanco North Flare Pit (Incident Number NAUTOFCS000155) - Notice of upcoming sampling activities
Date: Thursday, May 12, 2022 8:23:56 AM

Hi Nelson –

On behalf of El Paso CGP Company (EPCGP), this correspondence is to provide notice to the NMOCD of upcoming groundwater sampling and monitoring activities at the above-referenced project site. These activities are to occur on May 17, 2022.

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

Thank you,
Steve

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

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From: [Varsa, Steve](#)
To: Nelson.Velez@state.nm.us
Cc: [Bratcher, Mike, EMNRD](#); [Wiley, Joe](#)
Subject: Blanco Gas Plant - North Flare Pit (NAUTOFCS000155)- notice of upcoming activities
Date: Monday, July 18, 2022 3:24:46 PM

Hi Cory – on behalf of El Paso CGP Company, Stantec is planning to complete quarterly free product recovery activities at the subject site on July 29, 2022.

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

Thank you,
Steve

Stephen Varsa, P.G.
Senior 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

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From: [Varsa, Steve](#)
To: Nelson.Velez@state.nm.us
Cc: [Bratcher, Mike, EMNRD](#); [Wiley, Joe](#)
Subject: Blanco North Flare Pit (Incident Number NAUTOFCS000155) - Notice of upcoming sampling activities
Date: Wednesday, October 26, 2022 3:18:38 PM

Hi Nelson –

On behalf of El Paso CGP Company (EPCGP), this correspondence is to provide notice to the NMOCD of upcoming groundwater sampling and monitoring activities at the above-referenced project site. These activities are to occur on November 1 and 2, 2022.

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

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

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APPENDIX B

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

DATE

2-23-22

GENERATOR:

El Paso Corp Star Tech

HAULING CO.

Star Tech

ORDERED BY:

Joe W.

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

STATE:

☒ NM☐ CO☐ AZ☐ UTTREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Blanco gas plant	1	70			70	
2		North flare pit						
3								
4								
5								

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

☒ Approved☐ Denied

ATTENDANT SIGNATURE

NO.

NMOCD PERMIT: NM-001-0005

Oil Field Waste Document, Form C138

INVOICE:

DEL. TKT#.

BILL TO:

El Paso Corp

DRIVER:

Sean C

(Print Full Name)

CODES:

824195

SW01147

BOL# 74311

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 08.03.22 TIME 0 1125 Attach test strip hereCUSTOMER EL PasoSITE Blanco Gas plant North Flare PitDRIVER Colton JohnSAMPLE Soil Straight _____ With Dirt XCHLORIDE TEST -294 mg/KgACCEPTED YES X NO _____PAINT FILTER TEST Time started 1125 Time completed 1138PASS YES X NO _____SAMPLER/ANALYST [Signature]

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



GENERATOR	SPECIAL WASTE MANIFEST		Manifest Document No. SW - 01147		Page 1 of
	Generator's Name EIPASO GGP NGP		Generator's Address 1001 Louisiana St Houston TX 77002		Generator's Telephone No.
	Origin of Special Waste (Project or Spill Location): Blanco Gas Plant - North Flare Pit				
	Transporter #1 Company Name Envirotech	Address 5796 US Hwy 64 Farmington NM 87401	Telephone No. 505-632-0615		
	Transporter #2 Company Name	Address	Telephone No.		
TRANSPORTER	Destination Facility Name/Site Address Envirotech LP #2 43 Road 7175 Bloomfield NM 87413		Facility ID (Permit) Number NM 01-0011		Telephone No. 505-632-0615
	Type and Proper Name of Special Waste		Container(s) No.	Type	Total Quantity
	petroleum Contaminated liquid		1	CM	55
Additional Descriptions for Special Waste Listed Above:					
Special Handling Instructions:					
GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described above by type and proper name of the special waste, and that such waste has been managed, packaged, containerized and labeled in accordance with the requirements of 20.9.8 NMAC (Special Waste Requirements) in addition to any other applicable federal, state or local regulations.					
Printed/Typed Name: Grey Crabtree - AS Agent		Signature: 		Date: 8/3/22	
Transporter 1 Acknowledgement of Receipt of Special Waste					
Printed/Typed Name: Colton John		Signature: 		Date: 8/3/22	
Transporter 2 Acknowledgement of Receipt of Special Waste					
Printed/Typed Name:		Signature:		Date:	
FACILITY	Discrepancy Indication Space:				
	Facility Owner or Operator: I hereby acknowledge receipt of the special waste as indicated upon this manifest, except as noted above in the Discrepancy Indication Space.				
	Printed/Typed Name: Gary Robinson		Signature: 		Date: 08-03-22

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-138
Revised August 1, 2011

*Surface Waste Management Facility Operator
and Generator shall maintain and make this
documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: El Paso CGP Company L.L.C., 1001 Louisiana Street, Room 1445B, Houston, TX 77002
2. Originating Site(s): Blanco Gas Plant – North Flare Pit
3. Location of Material (Street Address, City, State or U.S.STR): 81 County Road 4900, Bloomfield New Mexico
4. Source and Description of Waste: Historic releases occurred on the above-referenced property. As part of environmental remediation, wastewater from LNAPL recovery activities will be generated and requires disposal.
Estimated Volume <u>1</u> yd ³ (bbls) Known Volume (to be entered by the operator at the end of the haul) _____ yd ³ / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I, <u>Joseph Wiley</u> , representative or authorized agent for <u>El Paso CGP Company L.L.C.</u> do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification) <input checked="" type="checkbox"/> RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. <i>Operator Use Only: Waste Acceptance Frequency</i> <input type="checkbox"/> Monthly <input type="checkbox"/> Weekly <input checked="" type="checkbox"/> Per Load <input type="checkbox"/> RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items) <input type="checkbox"/> MSDS Information <input type="checkbox"/> RCRA Hazardous Waste Analysis <input type="checkbox"/> Process Knowledge <input type="checkbox"/> Other (Provide description in Box 4) GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I, <u>Joseph Wiley</u> , representative for <u>El Paso CGP Company, L.L.C.</u> do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.
5. Transporter: Envirotech, Inc. (from the Rio Vista Compressor Station).

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech, Inc., Permit # NM 01-0011
Address of Facility: 43 Road 7175, Bloomfield, NM
Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ APPROVED

☐ DENIED (Must Be Maintained As Permanent Record)

PRINT NAME: _____ TITLE: _____ DATE: _____

SIGNATURE: _____ TELEPHONE NO.: _____
Surface Waste Management Facility Authorized Agent



envirotech

Bill of Lading

MANIFEST # 76297

GENERATOR EL PASO

POINT OF ORIGIN Blanco gas Plant North

TRANSPORTER Envirotech Flare pit

DATE 11-07-22 JOB # 14073-0064

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

[illegible]

Generator Onsite Contact _____ Phone _____

Signatures required prior to distribution of the legal document.

DISTRIBUTION: **White** - Company Records / Billing **Yellow** - Customer **Pink** - LF Copy



BOL#

CHLORIDE TESTING / PAINT FILTER TESTING

DATE

11.04.22

TIME

0845

Attach test strip here

CUSTOMER

EL PASO

SITE

Blanco gas Plant North Flare pit

DRIVER

Andrew Musso

SAMPLE

Soil

Straight

With Dirt

X

CHLORIDE TEST

-291

mg/Kg

ACCEPTED

YES

NO

PAINT FILTER TEST

Time started

0845

Time completed

PASS

YES

NO

SAMPLER/ANALYST



APPENDIX C



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-220043-1

Client Project/Site: Blanco Field North Flare Pit

For:

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

Attn: Steve Varsa

Authorized for release by:

6/17/2022 4:37:07 PM

Isabel Enfinger, Project Manager I
(850)471-6237

isabel.enfinger@et.eurofinsus.com

Designee for

Cheyenne Whitmire, Project Manager II
(850)471-6222

Cheyenne.Whitmire@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

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

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Laboratory Job ID: 400-220043-1

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	6
Sample Summary	7
Client Sample Results	8
Definitions	25
Surrogate Summary	26
Chronicle	27
QC Association	32
QC Sample Results	34
Receipt Checklists	38
Chain of Custody	39
Certification Summary	41

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Job ID: 400-220043-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-220043-1

Comments

No additional comments.

Receipt

The samples were received on 5/18/2022 8:45 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.0° C and 3.3° C.

GC/MS VOA

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-23 (400-220043-2), MW-44 (400-220043-7), MW-48 (400-220043-10), MW-51 (400-220043-11) MW-52 (400-220043-12) and DUP-01 (400-220043-17). Elevated reporting limits (RLs) are provided.

Method 8260B: The matrix spike duplicate (MSD) recoveries for analytical batch 400-579022 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260B: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-52 (400-220043-12).

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

HPLC/IC

Method 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-23 (400-220043-2), MW-40 (400-220043-3), MW-41 (400-220043-4), MW-42 (400-220043-5), MW-43 (400-220043-6), MW-44 (400-220043-7), MW-45 (400-220043-8), MW-46 (400-220043-9), MW-48 (400-220043-10), MW-51 (400-220043-11), MW-52 (400-220043-12), MW-53 (400-220043-13), MW-54 (400-220043-14), MW-55 (400-220043-15), MW-57 (400-220043-16) and DUP-01 (400-220043-17). Elevated reporting limits (RLs) are provided.

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

VOA Prep

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: TB-01

Lab Sample ID: 400-220043-1

No Detections.

Client Sample ID: MW-23

Lab Sample ID: 400-220043-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.2		0.050	0.0065	mg/L	50		8260B	Total/NA
Ethylbenzene	0.11		0.050	0.025	mg/L	50		8260B	Total/NA
Xylenes, Total	0.71		0.50	0.080	mg/L	50		8260B	Total/NA

Client Sample ID: MW-40

Lab Sample ID: 400-220043-3

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

Client Sample ID: MW-41

Lab Sample ID: 400-220043-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	11		1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	11		1.0	0.63	mg/L	10		300.0	Total/NA

Client Sample ID: MW-42

Lab Sample ID: 400-220043-5

No Detections.

Client Sample ID: MW-43

Lab Sample ID: 400-220043-6

No Detections.

Client Sample ID: MW-44

Lab Sample ID: 400-220043-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.18		0.0020	0.00026	mg/L	2		8260B	Total/NA
Ethylbenzene	0.011		0.0020	0.0010	mg/L	2		8260B	Total/NA

Client Sample ID: MW-45

Lab Sample ID: 400-220043-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.069		0.0010	0.00013	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00057	J	0.0010	0.00050	mg/L	1		8260B	Total/NA
Toluene	0.0011		0.0010	0.00041	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0021	J	0.010	0.0016	mg/L	1		8260B	Total/NA

Client Sample ID: MW-46

Lab Sample ID: 400-220043-9

No Detections.

Client Sample ID: MW-48

Lab Sample ID: 400-220043-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.1		0.020	0.0026	mg/L	20		8260B	Total/NA
Ethylbenzene	0.033		0.020	0.010	mg/L	20		8260B	Total/NA

Client Sample ID: MW-51

Lab Sample ID: 400-220043-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.48		0.0050	0.00065	mg/L	5		8260B	Total/NA
Ethylbenzene	0.0073		0.0050	0.0025	mg/L	5		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-52

Lab Sample ID: 400-220043-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.38	F1	0.0020	0.00026	mg/L	2		8260B	Total/NA
Ethylbenzene	0.0037		0.0020	0.0010	mg/L	2		8260B	Total/NA

Client Sample ID: MW-53

Lab Sample ID: 400-220043-13

No Detections.

Client Sample ID: MW-54

Lab Sample ID: 400-220043-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	13		1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	13		1.0	0.63	mg/L	10		300.0	Total/NA

Client Sample ID: MW-55

Lab Sample ID: 400-220043-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0072		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0029		0.0010	0.00041	mg/L	1		8260B	Total/NA

Client Sample ID: MW-57

Lab Sample ID: 400-220043-16

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

Client Sample ID: DUP-01

Lab Sample ID: 400-220043-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	3.0		0.010	0.0013	mg/L	10		8260B	Total/NA
Ethylbenzene	0.028		0.010	0.0050	mg/L	10		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

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

Protocol References:

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

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

Laboratory References:

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

Eurofins Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-220043-1	TB-01	Water	05/17/22 07:00	05/18/22 08:45
400-220043-2	MW-23	Water	05/17/22 11:45	05/18/22 08:45
400-220043-3	MW-40	Water	05/17/22 09:50	05/18/22 08:45
400-220043-4	MW-41	Water	05/17/22 10:00	05/18/22 08:45
400-220043-5	MW-42	Water	05/17/22 10:10	05/18/22 08:45
400-220043-6	MW-43	Water	05/17/22 12:20	05/18/22 08:45
400-220043-7	MW-44	Water	05/17/22 12:35	05/18/22 08:45
400-220043-8	MW-45	Water	05/17/22 11:50	05/18/22 08:45
400-220043-9	MW-46	Water	05/17/22 10:25	05/18/22 08:45
400-220043-10	MW-48	Water	05/17/22 10:40	05/18/22 08:45
400-220043-11	MW-51	Water	05/17/22 11:30	05/18/22 08:45
400-220043-12	MW-52	Water	05/17/22 11:00	05/18/22 08:45
400-220043-13	MW-53	Water	05/17/22 13:10	05/18/22 08:45
400-220043-14	MW-54	Water	05/17/22 10:35	05/18/22 08:45
400-220043-15	MW-55	Water	05/17/22 12:50	05/18/22 08:45
400-220043-16	MW-57	Water	05/17/22 12:10	05/18/22 08:45
400-220043-17	DUP-01	Water	05/17/22 11:40	05/18/22 08:45

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: TB-01

Lab Sample ID: 400-220043-1

Date Collected: 05/17/22 07:00

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 15:54	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 15:54	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 15:54	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 15:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	115		72 - 119		05/26/22 15:54	1
Dibromofluoromethane	103		75 - 126		05/26/22 15:54	1
Toluene-d8 (Surr)	99		64 - 132		05/26/22 15:54	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-23

Lab Sample ID: 400-220043-2

Date Collected: 05/17/22 11:45

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.2		0.050	0.0065	mg/L			05/23/22 18:54	50
Ethylbenzene	0.11		0.050	0.025	mg/L			05/23/22 18:54	50
Toluene	0.021	U	0.050	0.021	mg/L			05/23/22 18:54	50
Xylenes, Total	0.71		0.50	0.080	mg/L			05/23/22 18:54	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		72 - 119		05/23/22 18:54	50
Dibromofluoromethane	98		75 - 126		05/23/22 18:54	50
Toluene-d8 (Surr)	104		64 - 132		05/23/22 18:54	50

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 18:57	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 18:57	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 18:57	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-40

Lab Sample ID: 400-220043-3

Date Collected: 05/17/22 09:50

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 16:20	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 16:20	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 16:20	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119		05/26/22 16:20	1
Dibromofluoromethane	100		75 - 126		05/26/22 16:20	1
Toluene-d8 (Surr)	99		64 - 132		05/26/22 16:20	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	61		1.0	0.63	mg/L			05/18/22 15:28	10
Nitrate Nitrite as N	61		1.0	0.63	mg/L			05/18/22 15:28	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 15:28	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-41

Lab Sample ID: 400-220043-4

Date Collected: 05/17/22 10:00

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 16:46	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 16:46	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 16:46	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	113		72 - 119		05/26/22 16:46	1
Dibromofluoromethane	102		75 - 126		05/26/22 16:46	1
Toluene-d8 (Surr)	99		64 - 132		05/26/22 16:46	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	11		1.0	0.63	mg/L			05/18/22 15:49	10
Nitrate Nitrite as N	11		1.0	0.63	mg/L			05/18/22 15:49	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 15:49	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-42

Lab Sample ID: 400-220043-5

Date Collected: 05/17/22 10:10

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 17:12	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 17:12	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 17:12	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 17:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	113		72 - 119		05/26/22 17:12	1
Dibromofluoromethane	103		75 - 126		05/26/22 17:12	1
Toluene-d8 (Surr)	98		64 - 132		05/26/22 17:12	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 16:10	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 16:10	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 16:10	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-43

Lab Sample ID: 400-220043-6

Date Collected: 05/17/22 12:20

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 17:38	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 17:38	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 17:38	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 17:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	115		72 - 119		05/26/22 17:38	1
Dibromofluoromethane	102		75 - 126		05/26/22 17:38	1
Toluene-d8 (Surr)	98		64 - 132		05/26/22 17:38	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 20:20	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 20:20	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 20:20	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-44

Lab Sample ID: 400-220043-7

Date Collected: 05/17/22 12:35

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.18		0.0020	0.00026	mg/L			05/23/22 18:13	2
Ethylbenzene	0.011		0.0020	0.0010	mg/L			05/23/22 18:13	2
Toluene	0.00082	U	0.0020	0.00082	mg/L			05/23/22 18:13	2
Xylenes, Total	0.0032	U	0.020	0.0032	mg/L			05/23/22 18:13	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 119		05/23/22 18:13	2
Dibromofluoromethane	98		75 - 126		05/23/22 18:13	2
Toluene-d8 (Surr)	101		64 - 132		05/23/22 18:13	2

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 20:41	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 20:41	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 20:41	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-45

Lab Sample ID: 400-220043-8

Date Collected: 05/17/22 11:50

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.069		0.0010	0.00013	mg/L			05/27/22 16:07	1
Ethylbenzene	0.00057	J	0.0010	0.00050	mg/L			05/27/22 16:07	1
Toluene	0.0011		0.0010	0.00041	mg/L			05/27/22 16:07	1
Xylenes, Total	0.0021	J	0.010	0.0016	mg/L			05/27/22 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	80		72 - 119		05/27/22 16:07	1
Dibromofluoromethane	95		75 - 126		05/27/22 16:07	1
Toluene-d8 (Surr)	90		64 - 132		05/27/22 16:07	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.32	U	0.50	0.32	mg/L			05/18/22 19:17	5
Nitrate Nitrite as N	0.32	U	0.50	0.32	mg/L			05/18/22 19:17	5
Nitrite as N	0.42	U	0.50	0.42	mg/L			05/18/22 19:17	5

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-46

Lab Sample ID: 400-220043-9

Date Collected: 05/17/22 10:25

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 18:04	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 18:04	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 18:04	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 18:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	113		72 - 119		05/26/22 18:04	1
Dibromofluoromethane	103		75 - 126		05/26/22 18:04	1
Toluene-d8 (Surr)	97		64 - 132		05/26/22 18:04	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 16:31	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 16:31	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 16:31	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-48

Lab Sample ID: 400-220043-10

Date Collected: 05/17/22 10:40

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.1		0.020	0.0026	mg/L			05/27/22 17:28	20
Ethylbenzene	0.033		0.020	0.010	mg/L			05/27/22 17:28	20
Toluene	0.0082	U	0.020	0.0082	mg/L			05/27/22 17:28	20
Xylenes, Total	0.032	U	0.20	0.032	mg/L			05/27/22 17:28	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	79		72 - 119		05/27/22 17:28	20
Dibromofluoromethane	97		75 - 126		05/27/22 17:28	20
Toluene-d8 (Surr)	91		64 - 132		05/27/22 17:28	20

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 17:54	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 17:54	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 17:54	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-51

Lab Sample ID: 400-220043-11

Date Collected: 05/17/22 11:30

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.48		0.0050	0.00065	mg/L			05/23/22 18:34	5
Ethylbenzene	0.0073		0.0050	0.0025	mg/L			05/23/22 18:34	5
Toluene	0.0021	U	0.0050	0.0021	mg/L			05/23/22 18:34	5
Xylenes, Total	0.0080	U	0.050	0.0080	mg/L			05/23/22 18:34	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 119		05/23/22 18:34	5
Dibromofluoromethane	100		75 - 126		05/23/22 18:34	5
Toluene-d8 (Surr)	102		64 - 132		05/23/22 18:34	5

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 18:15	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 18:15	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 18:15	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-52

Lab Sample ID: 400-220043-12

Date Collected: 05/17/22 11:00

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.38	F1	0.0020	0.00026	mg/L			05/26/22 12:36	2
Ethylbenzene	0.0037		0.0020	0.0010	mg/L			05/26/22 12:36	2
Toluene	0.00082	U	0.0020	0.00082	mg/L			05/26/22 12:36	2
Xylenes, Total	0.0032	U	0.020	0.0032	mg/L			05/26/22 12:36	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	115		72 - 119		05/26/22 12:36	2
Dibromofluoromethane	97		75 - 126		05/26/22 12:36	2
Toluene-d8 (Surr)	99		64 - 132		05/26/22 12:36	2

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 14:26	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 14:26	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 14:26	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-53

Lab Sample ID: 400-220043-13

Date Collected: 05/17/22 13:10

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 18:30	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 18:30	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 18:30	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	112		72 - 119		05/26/22 18:30	1
Dibromofluoromethane	102		75 - 126		05/26/22 18:30	1
Toluene-d8 (Surr)	98		64 - 132		05/26/22 18:30	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 22:04	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 22:04	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 22:04	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-54

Lab Sample ID: 400-220043-14

Date Collected: 05/17/22 10:35

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 18:56	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 18:56	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 18:56	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 18:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119		05/26/22 18:56	1
Dibromofluoromethane	104		75 - 126		05/26/22 18:56	1
Toluene-d8 (Surr)	97		64 - 132		05/26/22 18:56	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	13		1.0	0.63	mg/L			05/18/22 17:33	10
Nitrate Nitrite as N	13		1.0	0.63	mg/L			05/18/22 17:33	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 17:33	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-55

Lab Sample ID: 400-220043-15

Date Collected: 05/17/22 12:50

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0072		0.0010	0.00013	mg/L			05/26/22 19:22	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 19:22	1
Toluene	0.0029		0.0010	0.00041	mg/L			05/26/22 19:22	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119		05/26/22 19:22	1
Dibromofluoromethane	100		75 - 126		05/26/22 19:22	1
Toluene-d8 (Surr)	100		64 - 132		05/26/22 19:22	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 21:43	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 21:43	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 21:43	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-57

Lab Sample ID: 400-220043-16

Date Collected: 05/17/22 12:10

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/27/22 16:34	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/27/22 16:34	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/27/22 16:34	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/27/22 16:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	79		72 - 119		05/27/22 16:34	1
Dibromofluoromethane	111		75 - 126		05/27/22 16:34	1
Toluene-d8 (Surr)	92		64 - 132		05/27/22 16:34	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	10		1.0	0.63	mg/L			05/18/22 19:59	10
Nitrate Nitrite as N	10		1.0	0.63	mg/L			05/18/22 19:59	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 19:59	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: DUP-01

Lab Sample ID: 400-220043-17

Date Collected: 05/17/22 11:40

Matrix: Water

Date Received: 05/18/22 08:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.0		0.010	0.0013	mg/L			05/27/22 17:01	10
Ethylbenzene	0.028		0.010	0.0050	mg/L			05/27/22 17:01	10
Toluene	0.0041	U	0.010	0.0041	mg/L			05/27/22 17:01	10
Xylenes, Total	0.016	U	0.10	0.016	mg/L			05/27/22 17:01	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	78		72 - 119		05/27/22 17:01	10
Dibromofluoromethane	83		75 - 126		05/27/22 17:01	10
Toluene-d8 (Surr)	90		64 - 132		05/27/22 17:01	10

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.63	U	1.0	0.63	mg/L			05/18/22 18:36	10
Nitrate Nitrite as N	0.63	U	1.0	0.63	mg/L			05/18/22 18:36	10
Nitrite as N	0.83	U	1.0	0.83	mg/L			05/18/22 18:36	10

Eurofins Pensacola

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (72-119)	DBFM (75-126)	TOL (64-132)
400-220043-1	TB-01	115	103	99
400-220043-2	MW-23	104	98	104
400-220043-3	MW-40	111	100	99
400-220043-4	MW-41	113	102	99
400-220043-5	MW-42	113	103	98
400-220043-6	MW-43	115	102	98
400-220043-7	MW-44	108	98	101
400-220043-8	MW-45	80	95	90
400-220043-9	MW-46	113	103	97
400-220043-10	MW-48	79	97	91
400-220043-11	MW-51	103	100	102
400-220043-12	MW-52	115	97	99
400-220043-12 MS	MW-52	112	98	99
400-220043-12 MSD	MW-52	113	98	100
400-220043-13	MW-53	112	102	98
400-220043-14	MW-54	111	104	97
400-220043-15	MW-55	111	100	100
400-220043-16	MW-57	79	111	92
400-220043-17	DUP-01	78	83	90
400-220121-A-1 MS	Matrix Spike	103	95	101
400-220121-A-1 MSD	Matrix Spike Duplicate	102	96	102
400-220391-A-11 MS	Matrix Spike	79	89	90
400-220391-A-11 MSD	Matrix Spike Duplicate	76	93	91
LCS 400-578518/1002	Lab Control Sample	101	101	101
LCS 400-579022/1002	Lab Control Sample	116	96	97
LCS 400-579215/1002	Lab Control Sample	78	93	92
MB 400-578518/4	Method Blank	106	97	101
MB 400-579022/4	Method Blank	111	99	97
MB 400-579215/5	Method Blank	79	103	91

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: TB-01

Lab Sample ID: 400-220043-1

Date Collected: 05/17/22 07:00

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 15:54	BPO	TAL PEN

Client Sample ID: MW-23

Lab Sample ID: 400-220043-2

Date Collected: 05/17/22 11:45

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		50	5 mL	5 mL	578518	05/23/22 18:54	AGW	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 18:57	JAS	TAL PEN

Client Sample ID: MW-40

Lab Sample ID: 400-220043-3

Date Collected: 05/17/22 09:50

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 16:20	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 15:28	JAS	TAL PEN

Client Sample ID: MW-41

Lab Sample ID: 400-220043-4

Date Collected: 05/17/22 10:00

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 16:46	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 15:49	JAS	TAL PEN

Client Sample ID: MW-42

Lab Sample ID: 400-220043-5

Date Collected: 05/17/22 10:10

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 17:12	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 16:10	JAS	TAL PEN

Client Sample ID: MW-43

Lab Sample ID: 400-220043-6

Date Collected: 05/17/22 12:20

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 17:38	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 20:20	JAS	TAL PEN

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Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-44

Lab Sample ID: 400-220043-7

Date Collected: 05/17/22 12:35

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	578518	05/23/22 18:13	AGW	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 20:41	JAS	TAL PEN

Client Sample ID: MW-45

Lab Sample ID: 400-220043-8

Date Collected: 05/17/22 11:50

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579215	05/27/22 16:07	BPO	TAL PEN
Total/NA	Analysis	300.0		5			578053	05/18/22 19:17	JAS	TAL PEN

Client Sample ID: MW-46

Lab Sample ID: 400-220043-9

Date Collected: 05/17/22 10:25

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 18:04	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 16:31	JAS	TAL PEN

Client Sample ID: MW-48

Lab Sample ID: 400-220043-10

Date Collected: 05/17/22 10:40

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	5 mL	5 mL	579215	05/27/22 17:28	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 17:54	JAS	TAL PEN

Client Sample ID: MW-51

Lab Sample ID: 400-220043-11

Date Collected: 05/17/22 11:30

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	578518	05/23/22 18:34	AGW	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 18:15	JAS	TAL PEN

Client Sample ID: MW-52

Lab Sample ID: 400-220043-12

Date Collected: 05/17/22 11:00

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	579022	05/26/22 12:36	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 14:26	JAS	TAL PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: MW-53

Date Collected: 05/17/22 13:10

Date Received: 05/18/22 08:45

Lab Sample ID: 400-220043-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 18:30	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 22:04	JAS	TAL PEN

Client Sample ID: MW-54

Date Collected: 05/17/22 10:35

Date Received: 05/18/22 08:45

Lab Sample ID: 400-220043-14

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	8260B		1	5 mL	5 mL	579022	05/26/22 18:56	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 17:33	JAS	TAL PEN

Client Sample ID: MW-55

Date Collected: 05/17/22 12:50

Date Received: 05/18/22 08:45

Lab Sample ID: 400-220043-15

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	8260B		1	5 mL	5 mL	579022	05/26/22 19:22	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 21:43	JAS	TAL PEN

Client Sample ID: MW-57

Date Collected: 05/17/22 12:10

Date Received: 05/18/22 08:45

Lab Sample ID: 400-220043-16

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	8260B		1	5 mL	5 mL	579215	05/27/22 16:34	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 19:59	JAS	TAL PEN

Client Sample ID: DUP-01

Date Collected: 05/17/22 11:40

Date Received: 05/18/22 08:45

Lab Sample ID: 400-220043-17

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	8260B		10	5 mL	5 mL	579215	05/27/22 17:01	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 18:36	JAS	TAL PEN

Client Sample ID: Method Blank

Date Collected: N/A

Date Received: N/A

Lab Sample ID: MB 400-578053/5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			578053	05/18/22 13:24	JAS	TAL PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: Method Blank**Lab Sample ID: MB 400-578518/4****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	578518	05/23/22 11:14	AGW	TAL PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-579022/4****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 11:44	BPO	TAL PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-579215/5****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579215	05/27/22 15:14	BPO	TAL PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-578053/6****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			578053	05/18/22 13:44	JAS	TAL PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-578518/1002****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	578518	05/23/22 10:21	AGW	TAL PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-579022/1002****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579022	05/26/22 10:39	BPO	TAL PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-579215/1002****Date Collected: N/A****Matrix: Water****Date Received: N/A**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	579215	05/27/22 14:02	BPO	TAL PEN

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Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-578053/7

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			578053	05/18/22 14:05	JAS	TAL PEN

Client Sample ID: MW-52

Lab Sample ID: 400-220043-12 MS

Date Collected: 05/17/22 11:00

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	579022	05/26/22 13:02	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 14:47	JAS	TAL PEN

Client Sample ID: MW-52

Lab Sample ID: 400-220043-12 MSD

Date Collected: 05/17/22 11:00

Matrix: Water

Date Received: 05/18/22 08:45

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	579022	05/26/22 14:36	BPO	TAL PEN
Total/NA	Analysis	300.0		10			578053	05/18/22 15:08	JAS	TAL PEN

Laboratory References:

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

GC/MS VOA

Analysis Batch: 578518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220043-2	MW-23	Total/NA	Water	8260B	
400-220043-7	MW-44	Total/NA	Water	8260B	
400-220043-11	MW-51	Total/NA	Water	8260B	
MB 400-578518/4	Method Blank	Total/NA	Water	8260B	
LCS 400-578518/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 579022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220043-1	TB-01	Total/NA	Water	8260B	
400-220043-3	MW-40	Total/NA	Water	8260B	
400-220043-4	MW-41	Total/NA	Water	8260B	
400-220043-5	MW-42	Total/NA	Water	8260B	
400-220043-6	MW-43	Total/NA	Water	8260B	
400-220043-9	MW-46	Total/NA	Water	8260B	
400-220043-12	MW-52	Total/NA	Water	8260B	
400-220043-13	MW-53	Total/NA	Water	8260B	
400-220043-14	MW-54	Total/NA	Water	8260B	
400-220043-15	MW-55	Total/NA	Water	8260B	
MB 400-579022/4	Method Blank	Total/NA	Water	8260B	
LCS 400-579022/1002	Lab Control Sample	Total/NA	Water	8260B	
400-220043-12 MS	MW-52	Total/NA	Water	8260B	
400-220043-12 MSD	MW-52	Total/NA	Water	8260B	

Analysis Batch: 579215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220043-8	MW-45	Total/NA	Water	8260B	
400-220043-10	MW-48	Total/NA	Water	8260B	
400-220043-16	MW-57	Total/NA	Water	8260B	
400-220043-17	DUP-01	Total/NA	Water	8260B	
MB 400-579215/5	Method Blank	Total/NA	Water	8260B	
LCS 400-579215/1002	Lab Control Sample	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 578053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220043-2	MW-23	Total/NA	Water	300.0	
400-220043-3	MW-40	Total/NA	Water	300.0	
400-220043-4	MW-41	Total/NA	Water	300.0	
400-220043-5	MW-42	Total/NA	Water	300.0	
400-220043-6	MW-43	Total/NA	Water	300.0	
400-220043-7	MW-44	Total/NA	Water	300.0	
400-220043-8	MW-45	Total/NA	Water	300.0	
400-220043-9	MW-46	Total/NA	Water	300.0	
400-220043-10	MW-48	Total/NA	Water	300.0	
400-220043-11	MW-51	Total/NA	Water	300.0	
400-220043-12	MW-52	Total/NA	Water	300.0	
400-220043-13	MW-53	Total/NA	Water	300.0	
400-220043-14	MW-54	Total/NA	Water	300.0	
400-220043-15	MW-55	Total/NA	Water	300.0	
400-220043-16	MW-57	Total/NA	Water	300.0	

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QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

HPLC/IC (Continued)

Analysis Batch: 578053 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-220043-17	DUP-01	Total/NA	Water	300.0	
MB 400-578053/5	Method Blank	Total/NA	Water	300.0	
LCS 400-578053/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-578053/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-220043-12 MS	MW-52	Total/NA	Water	300.0	
400-220043-12 MSD	MW-52	Total/NA	Water	300.0	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

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

Lab Sample ID: MB 400-578518/4

Matrix: Water

Analysis Batch: 578518

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/23/22 11:14	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/23/22 11:14	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/23/22 11:14	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/23/22 11:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119		05/23/22 11:14	1
Dibromofluoromethane	97		75 - 126		05/23/22 11:14	1
Toluene-d8 (Surr)	101		64 - 132		05/23/22 11:14	1

Lab Sample ID: LCS 400-578518/1002

Matrix: Water

Analysis Batch: 578518

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0513		mg/L		103	70 - 130
Ethylbenzene	0.0500	0.0513		mg/L		103	70 - 130
Toluene	0.0500	0.0517		mg/L		103	70 - 130
Xylenes, Total	0.100	0.103		mg/L		103	70 - 130

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

Lab Sample ID: MB 400-579022/4

Matrix: Water

Analysis Batch: 579022

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/26/22 11:44	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/26/22 11:44	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/26/22 11:44	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/26/22 11:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 119		05/26/22 11:44	1
Dibromofluoromethane	99		75 - 126		05/26/22 11:44	1
Toluene-d8 (Surr)	97		64 - 132		05/26/22 11:44	1

Lab Sample ID: LCS 400-579022/1002

Matrix: Water

Analysis Batch: 579022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0560		mg/L		112	70 - 130
Ethylbenzene	0.0500	0.0547		mg/L		109	70 - 130
Toluene	0.0500	0.0546		mg/L		109	70 - 130

Eurofins Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

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

Lab Sample ID: LCS 400-579022/1002

Matrix: Water

Analysis Batch: 579022

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	0.100	0.108		mg/L		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene	116		72 - 119				
Dibromofluoromethane	96		75 - 126				
Toluene-d8 (Surr)	97		64 - 132				

Lab Sample ID: 400-220043-12 MS

Matrix: Water

Analysis Batch: 579022

Client Sample ID: MW-52

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.38	F1	0.100	0.481		mg/L		106	56 - 142
Ethylbenzene	0.0037		0.100	0.0992		mg/L		95	58 - 131
Toluene	0.00082	U	0.100	0.100		mg/L		100	65 - 130
Xylenes, Total	0.0032	U	0.200	0.187		mg/L		94	59 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene	112		72 - 119						
Dibromofluoromethane	98		75 - 126						
Toluene-d8 (Surr)	99		64 - 132						

Lab Sample ID: 400-220043-12 MSD

Matrix: Water

Analysis Batch: 579022

Client Sample ID: MW-52

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.38	F1	0.100	0.415	F1	mg/L		40	56 - 142	15	30
Ethylbenzene	0.0037		0.100	0.0992		mg/L		95	58 - 131	0	30
Toluene	0.00082	U	0.100	0.101		mg/L		101	65 - 130	0	30
Xylenes, Total	0.0032	U	0.200	0.186		mg/L		93	59 - 130	0	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	113		72 - 119								
Dibromofluoromethane	98		75 - 126								
Toluene-d8 (Surr)	100		64 - 132								

Lab Sample ID: MB 400-579215/5

Matrix: Water

Analysis Batch: 579215

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			05/27/22 15:14	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			05/27/22 15:14	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			05/27/22 15:14	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			05/27/22 15:14	1

Eurofins Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

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

Lab Sample ID: MB 400-579215/5

Matrix: Water

Analysis Batch: 579215

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	79		72 - 119		05/27/22 15:14	1
Dibromofluoromethane	103		75 - 126		05/27/22 15:14	1
Toluene-d8 (Surr)	91		64 - 132		05/27/22 15:14	1

Lab Sample ID: LCS 400-579215/1002

Matrix: Water

Analysis Batch: 579215

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0572		mg/L		114	70 - 130
Ethylbenzene	0.0500	0.0571		mg/L		114	70 - 130
Toluene	0.0500	0.0534		mg/L		107	70 - 130
Xylenes, Total	0.100	0.116		mg/L		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	78		72 - 119
Dibromofluoromethane	93		75 - 126
Toluene-d8 (Surr)	92		64 - 132

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-578053/5

Matrix: Water

Analysis Batch: 578053

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			05/18/22 13:24	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			05/18/22 13:24	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			05/18/22 13:24	1

Lab Sample ID: LCS 400-578053/6

Matrix: Water

Analysis Batch: 578053

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	2.26	2.24		mg/L		99	90 - 110
Nitrate Nitrite as N	5.30	5.31		mg/L		100	90 - 110
Nitrite as N	3.04	3.07		mg/L		101	90 - 110

Lab Sample ID: LCSD 400-578053/7

Matrix: Water

Analysis Batch: 578053

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	2.26	2.23		mg/L		99	90 - 110	1	15
Nitrate Nitrite as N	5.30	5.30		mg/L		100	90 - 110	0	15
Nitrite as N	3.04	3.07		mg/L		101	90 - 110	0	15

Eurofins Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 400-220043-12 MS

Matrix: Water

Analysis Batch: 578053

Client Sample ID: MW-52

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrate as N	0.63	U	22.6	23.4		mg/L		104	80 - 120
Nitrate Nitrite as N	0.63	U	53.0	56.3		mg/L		106	80 - 120
Nitrite as N	0.83	U	30.4	32.9		mg/L		108	80 - 120

Lab Sample ID: 400-220043-12 MSD

Matrix: Water

Analysis Batch: 578053

Client Sample ID: MW-52

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	0.63	U	22.6	23.6		mg/L		104	80 - 120	1	20
Nitrate Nitrite as N	0.63	U	53.0	56.2		mg/L		106	80 - 120	0	20
Nitrite as N	0.83	U	30.4	32.6		mg/L		107	80 - 120	1	20

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-220043-1

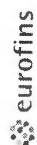
Login Number: 220043

List Source: Eurofins Pensacola

List Number: 1

Creator: Whitley, Adrian


Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3, 3.0°C IR10
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Environment Testing
America

Chain of Custody Record

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

Client Information		Sampler:		Lab PM:		Carrier Tracking No(s):		COC No:		
Steve Varsa		Sarah Gardner / Sean Clancy		Whitmore, Cheyenne R				400-111381-39041.1		
Company:		Phone: (303) 589-0468		E-Mail: Cheyenne.Whitmore@et.eurofins.com		State of Origin:		Page: 1 of 2		
Stantec Consulting Services Inc		PWSID:						Job #:		
Address:		Due Date Requested:		Analysis Requested						
11311 Aurora Avenue		TAT Requested (days):								
City: Des Moines		see ARF W-ERG-STN-OS - x								
State, Zip: IA, 50322-7904		Compliance Project: Δ Yes Δ No								
Phone:		PO #:								
Email: steve.varsa@stantec.com		WD1040009								
Project Name: Blanco Field North Flare Ph 2022		WO #:								
Site: Blanco North		40012762								
		SSOW#:								
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	300 ORG FMS - Nitrate & Nitrite	8260B - BTEX 8260	8260B - BTEX 8260	Total Number of containers	Special Instructions/Note:
TB-01	5/17/2022	700	G	Water					2	
MW-23	5/17/2022	1145	G	Water					3	
MW-40	5/17/2022	950	G	Water					3	
MW-41	5/17/2022	1000	G	Water					3	
MW-42	5/17/2022	1010	G	Water					3	
MW-43	5/17/2022	1220	G	Water					3	
MW-44	5/17/2022	1235	G	Water					3	
MW-45	5/17/2022	1150	G	Water					3	
MW-46	5/17/2022	1025	G	Water					3	
MW-48	5/17/2022	1040	G	Water					3	
MW-51	5/17/2022	1130	G	Water					3	



400-220043 COC

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Special Instructions/QC Requirements:	
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seal No.: _____ Custody Seal Intact: Δ Yes Δ No	

Ver: 06/08/2021

Chain of Custody Record



**Environment Testing
America**

[illegible]

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-220043-1

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

Eurofins Pensacola



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/18/2022 12:32:00 PM

JOB DESCRIPTION

Blanco Field North Flare Pit

JOB NUMBER

400-228285-1

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Laboratory Job ID: 400-228285-1

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Detection Summary	4
Method Summary	6
Sample Summary	7
Client Sample Results	8
Definitions	25
Surrogate Summary	26
Chronicle	27
QC Association	31
QC Sample Results	32
Receipt Checklists	35
Chain of Custody	36
Certification Summary	38
Appendix	39

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Job ID: 400-228285-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-228285-1

Comments

No additional comments.

Receipt

The samples were received on 11/3/2022 8:26 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 0.0° C.

GC/MS VOA

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-01 (400-228285-2), MW-23 (400-228285-3) and MW-44 (400-228285-8). Elevated reporting limits (RLs) are provided.

Method 8260B: The following samples were collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: DUP-01 (400-228285-2), MW-23 (400-228285-3) and MW-44 (400-228285-8).

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-48 (400-228285-11), MW-51 (400-228285-12), MW-52 (400-228285-13), MW-51 (400-228285-12[MS]) and MW-51 (400-228285-12[MSD]). Elevated reporting limits (RLs) are provided.

Method 8260B: The following sample was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: MW-52 (400-228285-13).

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

VOA Prep

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: TB-01

Lab Sample ID: 400-228285-1

No Detections.

Client Sample ID: DUP-01

Lab Sample ID: 400-228285-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.24		0.0020	0.00026	mg/L	2		8260B	Total/NA
Ethylbenzene	0.011		0.0020	0.0010	mg/L	2		8260B	Total/NA

Client Sample ID: MW-23

Lab Sample ID: 400-228285-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	9.6		0.10	0.013	mg/L	100		8260B	Total/NA
Ethylbenzene	0.15		0.10	0.050	mg/L	100		8260B	Total/NA
Xylenes, Total	0.94	J	1.0	0.16	mg/L	100		8260B	Total/NA

Client Sample ID: MW-40

Lab Sample ID: 400-228285-4

No Detections.

Client Sample ID: MW-41

Lab Sample ID: 400-228285-5

No Detections.

Client Sample ID: MW-42

Lab Sample ID: 400-228285-6

No Detections.

Client Sample ID: MW-43

Lab Sample ID: 400-228285-7

No Detections.

Client Sample ID: MW-44

Lab Sample ID: 400-228285-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.20		0.0020	0.00026	mg/L	2		8260B	Total/NA
Ethylbenzene	0.0081		0.0020	0.0010	mg/L	2		8260B	Total/NA

Client Sample ID: MW-45

Lab Sample ID: 400-228285-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0073		0.0010	0.00013	mg/L	1		8260B	Total/NA

Client Sample ID: MW-46

Lab Sample ID: 400-228285-10

No Detections.

Client Sample ID: MW-48

Lab Sample ID: 400-228285-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.2		0.010	0.0013	mg/L	10		8260B	Total/NA
Ethylbenzene	0.016		0.010	0.0050	mg/L	10		8260B	Total/NA

Client Sample ID: MW-51

Lab Sample ID: 400-228285-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.78		0.0050	0.00065	mg/L	5		8260B	Total/NA
Toluene	0.0022	J	0.0050	0.0021	mg/L	5		8260B	Total/NA
Ethylbenzene	0.013		0.0050	0.0025	mg/L	5		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-52

Lab Sample ID: 400-228285-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.38		0.0020	0.00026	mg/L	2		8260B	Total/NA
Ethylbenzene	0.0027		0.0020	0.0010	mg/L	2		8260B	Total/NA

Client Sample ID: MW-53

Lab Sample ID: 400-228285-14

No Detections.

Client Sample ID: MW-54

Lab Sample ID: 400-228285-15

No Detections.

Client Sample ID: MW-55

Lab Sample ID: 400-228285-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0022		0.0010	0.00013	mg/L	1		8260B	Total/NA

Client Sample ID: MW-57

Lab Sample ID: 400-228285-17

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	EET PEN
5030B	Purge and Trap	SW846	EET PEN

Protocol References:
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 Field North Flare Pit

Job ID: 400-228285-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-228285-1	TB-01	Water	11/02/22 08:00	11/03/22 08:26
400-228285-2	DUP-01	Water	11/02/22 12:00	11/03/22 08:26
400-228285-3	MW-23	Water	11/02/22 11:35	11/03/22 08:26
400-228285-4	MW-40	Water	11/02/22 09:47	11/03/22 08:26
400-228285-5	MW-41	Water	11/02/22 09:56	11/03/22 08:26
400-228285-6	MW-42	Water	11/02/22 10:07	11/03/22 08:26
400-228285-7	MW-43	Water	11/02/22 10:52	11/03/22 08:26
400-228285-8	MW-44	Water	11/02/22 10:32	11/03/22 08:26
400-228285-9	MW-45	Water	11/02/22 11:21	11/03/22 08:26
400-228285-10	MW-46	Water	11/02/22 12:40	11/03/22 08:26
400-228285-11	MW-48	Water	11/02/22 13:08	11/03/22 08:26
400-228285-12	MW-51	Water	11/02/22 11:49	11/03/22 08:26
400-228285-13	MW-52	Water	11/02/22 12:26	11/03/22 08:26
400-228285-14	MW-53	Water	11/02/22 09:26	11/03/22 08:26
400-228285-15	MW-54	Water	11/02/22 12:58	11/03/22 08:26
400-228285-16	MW-55	Water	11/02/22 10:20	11/03/22 08:26
400-228285-17	MW-57	Water	11/02/22 11:07	11/03/22 08:26

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: TB-01

Lab Sample ID: 400-228285-1

Date Collected: 11/02/22 08:00

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 15:23	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 15:23	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 15:23	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 15:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 119		11/14/22 15:23	1
Dibromofluoromethane	105		75 - 126		11/14/22 15:23	1
Toluene-d8 (Surr)	98		64 - 132		11/14/22 15:23	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: DUP-01

Lab Sample ID: 400-228285-2

Date Collected: 11/02/22 12:00

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.24		0.0020	0.00026	mg/L			11/08/22 22:34	2
Toluene	0.00082	U	0.0020	0.00082	mg/L			11/08/22 22:34	2
Ethylbenzene	0.011		0.0020	0.0010	mg/L			11/08/22 22:34	2
Xylenes, Total	0.0032	U	0.020	0.0032	mg/L			11/08/22 22:34	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 119					11/08/22 22:34	2
Dibromofluoromethane	97		75 - 126					11/08/22 22:34	2
Toluene-d8 (Surr)	97		64 - 132					11/08/22 22:34	2

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-23

Lab Sample ID: 400-228285-3

Date Collected: 11/02/22 11:35

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	9.6		0.10	0.013	mg/L			11/08/22 23:24	100
Toluene	0.041	U	0.10	0.041	mg/L			11/08/22 23:24	100
Ethylbenzene	0.15		0.10	0.050	mg/L			11/08/22 23:24	100
Xylenes, Total	0.94	J	1.0	0.16	mg/L			11/08/22 23:24	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119		11/08/22 23:24	100
Dibromofluoromethane	101		75 - 126		11/08/22 23:24	100
Toluene-d8 (Surr)	99		64 - 132		11/08/22 23:24	100

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-40

Lab Sample ID: 400-228285-4

Date Collected: 11/02/22 09:47

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 15:48	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 15:48	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 15:48	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 15:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 119		11/14/22 15:48	1
Dibromofluoromethane	106		75 - 126		11/14/22 15:48	1
Toluene-d8 (Surr)	97		64 - 132		11/14/22 15:48	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-41

Lab Sample ID: 400-228285-5

Date Collected: 11/02/22 09:56

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 16:14	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 16:14	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 16:14	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		72 - 119		11/14/22 16:14	1
Dibromofluoromethane	106		75 - 126		11/14/22 16:14	1
Toluene-d8 (Surr)	97		64 - 132		11/14/22 16:14	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-42

Lab Sample ID: 400-228285-6

Date Collected: 11/02/22 10:07

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 16:39	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 16:39	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 16:39	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 16:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		72 - 119					11/14/22 16:39	1
Dibromofluoromethane	111		75 - 126					11/14/22 16:39	1
Toluene-d8 (Surr)	100		64 - 132					11/14/22 16:39	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-43

Lab Sample ID: 400-228285-7

Date Collected: 11/02/22 10:52

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 17:04	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 17:04	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 17:04	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 17:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119		11/14/22 17:04	1
Dibromofluoromethane	110		75 - 126		11/14/22 17:04	1
Toluene-d8 (Surr)	97		64 - 132		11/14/22 17:04	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-44

Lab Sample ID: 400-228285-8

Date Collected: 11/02/22 10:32

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.20		0.0020	0.00026	mg/L			11/08/22 22:59	2
Toluene	0.00082	U	0.0020	0.00082	mg/L			11/08/22 22:59	2
Ethylbenzene	0.0081		0.0020	0.0010	mg/L			11/08/22 22:59	2
Xylenes, Total	0.0032	U	0.020	0.0032	mg/L			11/08/22 22:59	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 119		11/08/22 22:59	2
Dibromofluoromethane	98		75 - 126		11/08/22 22:59	2
Toluene-d8 (Surr)	97		64 - 132		11/08/22 22:59	2

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-45

Lab Sample ID: 400-228285-9

Date Collected: 11/02/22 11:21

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0073		0.0010	0.00013	mg/L			11/14/22 17:29	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 17:29	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 17:29	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 119					11/14/22 17:29	1
Dibromofluoromethane	107		75 - 126					11/14/22 17:29	1
Toluene-d8 (Surr)	98		64 - 132					11/14/22 17:29	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-46

Lab Sample ID: 400-228285-10

Date Collected: 11/02/22 12:40

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 17:55	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 17:55	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 17:55	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 119		11/14/22 17:55	1
Dibromofluoromethane	108		75 - 126		11/14/22 17:55	1
Toluene-d8 (Surr)	96		64 - 132		11/14/22 17:55	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-48

Lab Sample ID: 400-228285-11

Date Collected: 11/02/22 13:08

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.2		0.010	0.0013	mg/L			11/14/22 21:16	10
Toluene	0.0041	U	0.010	0.0041	mg/L			11/14/22 21:16	10
Ethylbenzene	0.016		0.010	0.0050	mg/L			11/14/22 21:16	10
Xylenes, Total	0.016	U	0.10	0.016	mg/L			11/14/22 21:16	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 119		11/14/22 21:16	10
Dibromofluoromethane	106		75 - 126		11/14/22 21:16	10
Toluene-d8 (Surr)	97		64 - 132		11/14/22 21:16	10

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-51

Lab Sample ID: 400-228285-12

Date Collected: 11/02/22 11:49

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.78		0.0050	0.00065	mg/L			11/14/22 12:27	5
Toluene	0.0022	J	0.0050	0.0021	mg/L			11/14/22 12:27	5
Ethylbenzene	0.013		0.0050	0.0025	mg/L			11/14/22 12:27	5
Xylenes, Total	0.0080	U	0.050	0.0080	mg/L			11/14/22 12:27	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119		11/14/22 12:27	5
Dibromofluoromethane	103		75 - 126		11/14/22 12:27	5
Toluene-d8 (Surr)	97		64 - 132		11/14/22 12:27	5

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-52

Lab Sample ID: 400-228285-13

Date Collected: 11/02/22 12:26

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.38		0.0020	0.00026	mg/L			11/16/22 12:43	2
Toluene	0.00082	U	0.0020	0.00082	mg/L			11/16/22 12:43	2
Ethylbenzene	0.0027		0.0020	0.0010	mg/L			11/16/22 12:43	2
Xylenes, Total	0.0032	U	0.020	0.0032	mg/L			11/16/22 12:43	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	90		72 - 119					11/16/22 12:43	2
Dibromofluoromethane	112		75 - 126					11/16/22 12:43	2
Toluene-d8 (Surr)	98		64 - 132					11/16/22 12:43	2

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-53

Lab Sample ID: 400-228285-14

Date Collected: 11/02/22 09:26

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 18:20	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 18:20	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 18:20	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 18:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		72 - 119					11/14/22 18:20	1
Dibromofluoromethane	107		75 - 126					11/14/22 18:20	1
Toluene-d8 (Surr)	97		64 - 132					11/14/22 18:20	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-54

Lab Sample ID: 400-228285-15

Date Collected: 11/02/22 12:58

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 18:45	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 18:45	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 18:45	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		72 - 119		11/14/22 18:45	1
Dibromofluoromethane	107		75 - 126		11/14/22 18:45	1
Toluene-d8 (Surr)	96		64 - 132		11/14/22 18:45	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-55

Lab Sample ID: 400-228285-16

Date Collected: 11/02/22 10:20

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0022		0.0010	0.00013	mg/L			11/14/22 19:10	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 19:10	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 19:10	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		72 - 119		11/14/22 19:10	1
Dibromofluoromethane	107		75 - 126		11/14/22 19:10	1
Toluene-d8 (Surr)	97		64 - 132		11/14/22 19:10	1

Eurofins Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: MW-57

Lab Sample ID: 400-228285-17

Date Collected: 11/02/22 11:07

Matrix: Water

Date Received: 11/03/22 08:26

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 19:36	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 19:36	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 19:36	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 19:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		72 - 119		11/14/22 19:36	1
Dibromofluoromethane	107		75 - 126		11/14/22 19:36	1
Toluene-d8 (Surr)	98		64 - 132		11/14/22 19:36	1

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Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

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.

Glossary

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

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (72-119)	DBFM (75-126)	TOL (64-132)
180-146965-K-1 MS	Matrix Spike	89	94	97
180-146965-K-1 MSD	Matrix Spike Duplicate	90	95	98
400-228285-1	TB-01	96	105	98
400-228285-2	DUP-01	103	97	97
400-228285-3	MW-23	97	101	99
400-228285-4	MW-40	96	106	97
400-228285-5	MW-41	94	106	97
400-228285-6	MW-42	94	111	100
400-228285-7	MW-43	97	110	97
400-228285-8	MW-44	103	98	97
400-228285-9	MW-45	96	107	98
400-228285-10	MW-46	96	108	96
400-228285-11	MW-48	96	106	97
400-228285-12	MW-51	97	103	97
400-228285-12 MS	MW-51	88	96	98
400-228285-12 MSD	MW-51	89	98	97
400-228285-13	MW-52	90	112	98
400-228285-14	MW-53	95	107	97
400-228285-15	MW-54	95	107	96
400-228285-16	MW-55	95	107	97
400-228285-17	MW-57	94	107	98
660-124876-B-1 MS	Matrix Spike	91	104	97
660-124876-B-1 MSD	Matrix Spike Duplicate	91	101	96
LCS 400-599669/1002	Lab Control Sample	87	96	96
LCS 400-600484/1002	Lab Control Sample	85	97	96
LCS 400-600896/1002	Lab Control Sample	90	101	97
MB 400-599669/4	Method Blank	99	101	99
MB 400-600484/4	Method Blank	96	103	98
MB 400-600896/4	Method Blank	97	104	103

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: TB-01**Lab Sample ID: 400-22323M1****Date Collected: 11/02/22 03:00****x atriW d ater****Date Received: 11/02/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 15:23	AGW	EET PEN

Client Sample ID: D9 P-01**Lab Sample ID: 400-22323M2****Date Collected: 11/02/22 12:00****x atriW d ater****Date Received: 11/02/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	599669	11/08/22 22:34	AGW	EET PEN

Client Sample ID: x d -2v**Lab Sample ID: 400-22323Mv****Date Collected: 11/02/22 11:00****x atriW d ater****Date Received: 11/02/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		100	5 mL	5 mL	599669	11/08/22 23:24	AGW	EET PEN

Client Sample ID: x d -40**Lab Sample ID: 400-22323M4****Date Collected: 11/02/22 06:40****x atriW d ater****Date Received: 11/02/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 15:48	AGW	EET PEN

Client Sample ID: x d -41**Lab Sample ID: 400-22323MM****Date Collected: 11/02/22 06:00****x atriW d ater****Date Received: 11/02/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 16:14	AGW	EET PEN

Client Sample ID: x d -42**Lab Sample ID: 400-22323M8****Date Collected: 11/02/22 10:00****x atriW d ater****Date Received: 11/02/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 16:39	AGW	EET PEN

Client Sample ID: x d -4v**Lab Sample ID: 400-22323MU****Date Collected: 11/02/22 10:00****x atriW d ater****Date Received: 11/02/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 17:04	AGW	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: x d -44**Lab Sample ID: 400-22323M3****Date Collecte5: 11/02/22 10:v2****x atriW d ater****Date 7 eceiRe5: 11/0v/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	599669	11/08/22 22:59	AGW	EET PEN

Client Sample ID: x d -4M**Lab Sample ID: 400-22323M6****Date Collecte5: 11/02/22 11:21****x atriW d ater****Date 7 eceiRe5: 11/0v/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 17:29	AGW	EET PEN

Client Sample ID: x d -48**Lab Sample ID: 400-22323M10****Date Collecte5: 11/02/22 12:40****x atriW d ater****Date 7 eceiRe5: 11/0v/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 17:55	AGW	EET PEN

Client Sample ID: x d -43**Lab Sample ID: 400-22323M11****Date Collecte5: 11/02/22 1v:03****x atriW d ater****Date 7 eceiRe5: 11/0v/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	600484	11/14/22 21:16	AGW	EET PEN

Client Sample ID: x d -M1**Lab Sample ID: 400-22323M12****Date Collecte5: 11/02/22 11:46****x atriW d ater****Date 7 eceiRe5: 11/0v/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	600484	11/14/22 12:27	AGW	EET PEN

Client Sample ID: x d -M2**Lab Sample ID: 400-22323M1v****Date Collecte5: 11/02/22 12:28****x atriW d ater****Date 7 eceiRe5: 11/0v/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		2	5 mL	5 mL	600896	11/16/22 12:43	AGW	EET PEN

Client Sample ID: x d -Mv**Lab Sample ID: 400-22323M14****Date Collecte5: 11/02/22 06:28****x atriW d ater****Date 7 eceiRe5: 11/0v/22 03:28**

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 18:20	AGW	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: x d -M

Date Collecte5: 11/02/22 12:MB

Date 7 eceiRe5: 11/0v/22 03:28

Lab Sample ID: 400-22323M1M

x atriW d ater

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 18:45	AGW	EET PEN

Client Sample ID: x d -MM

Date Collecte5: 11/02/22 10:20

Date 7 eceiRe5: 11/0v/22 03:28

Lab Sample ID: 400-22323M18

x atriW d ater

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 19:10	AGW	EET PEN

Client Sample ID: x d -MU

Date Collecte5: 11/02/22 11:0U

Date 7 eceiRe5: 11/0v/22 03:28

Lab Sample ID: 400-22323M1U

x atriW d ater

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 19:36	AGW	EET PEN

Client Sample ID: x etho5 Blank

Date Collecte5: N/A

Date 7 eceiRe5: N/A

Lab Sample ID: x B 400-M6886/4

x atriW d ater

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	599669	11/08/22 13:19	AGW	EET PEN

Client Sample ID: x etho5 Blank

Date Collecte5: N/A

Date 7 eceiRe5: N/A

Lab Sample ID: x B 400-800434/4

x atriW d ater

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 11:36	AGW	EET PEN

Client Sample ID: x etho5 Blank

Date Collecte5: N/A

Date 7 eceiRe5: N/A

Lab Sample ID: x B 400-800368/4

x atriW d ater

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600896	11/16/22 09:36	AGW	EET PEN

Client Sample ID: Lab Control Sample

Date Collecte5: N/A

Date 7 eceiRe5: N/A

Lab Sample ID: LCS 400-M6886/1002

x atriW d ater

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	599669	11/08/22 12:17	AGW	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-800434/1002

Date Collected: N/A

x atriW d ater

Date Received: N/A

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600484	11/14/22 09:59	AGW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-800368/1002

Date Collected: N/A

x atriW d ater

Date Received: N/A

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	600896	11/16/22 08:43	AGW	EET PEN

Client Sample ID: x d -M

Lab Sample ID: 400-22323M12 x S

Date Collected: 11/02/22 11:46

x atriW d ater

Date Received: 11/0v/22 03:28

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	600484	11/14/22 13:17	AGW	EET PEN

Client Sample ID: x d -M

Lab Sample ID: 400-22323M12 x SD

Date Collected: 11/02/22 11:46

x atriW d ater

Date Received: 11/0v/22 03:28

Prep Type	Batch Type	Batch x etho5	7 un	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepare5 or Analyze5	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	600484	11/14/22 13:42	AGW	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 Field North Flare Pit

Job ID: 400-228285-1

GC/MS VOA

Analysis Batch: 599669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228285-2	DUP-01	Total/NA	Water	8260B	
400-228285-3	MW-23	Total/NA	Water	8260B	
400-228285-8	MW-44	Total/NA	Water	8260B	
MB 400-599669/4	Method Blank	Total/NA	Water	8260B	
LCS 400-599669/1002	Lab Control Sample	Total/NA	Water	8260B	

Analysis Batch: 600484

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228285-1	TB-01	Total/NA	Water	8260B	
400-228285-4	MW-40	Total/NA	Water	8260B	
400-228285-5	MW-41	Total/NA	Water	8260B	
400-228285-6	MW-42	Total/NA	Water	8260B	
400-228285-7	MW-43	Total/NA	Water	8260B	
400-228285-9	MW-45	Total/NA	Water	8260B	
400-228285-10	MW-46	Total/NA	Water	8260B	
400-228285-11	MW-48	Total/NA	Water	8260B	
400-228285-12	MW-51	Total/NA	Water	8260B	
400-228285-14	MW-53	Total/NA	Water	8260B	
400-228285-15	MW-54	Total/NA	Water	8260B	
400-228285-16	MW-55	Total/NA	Water	8260B	
400-228285-17	MW-57	Total/NA	Water	8260B	
MB 400-600484/4	Method Blank	Total/NA	Water	8260B	
LCS 400-600484/1002	Lab Control Sample	Total/NA	Water	8260B	
400-228285-12 MS	MW-51	Total/NA	Water	8260B	
400-228285-12 MSD	MW-51	Total/NA	Water	8260B	

Analysis Batch: 600896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-228285-13	MW-52	Total/NA	Water	8260B	
MB 400-600896/4	Method Blank	Total/NA	Water	8260B	
LCS 400-600896/1002	Lab Control Sample	Total/NA	Water	8260B	

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

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

Lab Sample ID: MB 400-599669/4

Matrix: Water

Analysis Batch: 599669

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/08/22 13:19	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/08/22 13:19	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/08/22 13:19	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/08/22 13:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 119		11/08/22 13:19	1
Dibromofluoromethane	101		75 - 126		11/08/22 13:19	1
Toluene-d8 (Surr)	99		64 - 132		11/08/22 13:19	1

Lab Sample ID: LCS 400-599669/1002

Matrix: Water

Analysis Batch: 599669

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0499		mg/L		100	70 - 130
Toluene	0.0500	0.0492		mg/L		98	70 - 130
Ethylbenzene	0.0500	0.0491		mg/L		98	70 - 130
Xylenes, Total	0.100	0.0981		mg/L		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	87		72 - 119
Dibromofluoromethane	96		75 - 126
Toluene-d8 (Surr)	96		64 - 132

Lab Sample ID: MB 400-600484/4

Matrix: Water

Analysis Batch: 600484

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/14/22 11:36	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/14/22 11:36	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/14/22 11:36	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/14/22 11:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		72 - 119		11/14/22 11:36	1
Dibromofluoromethane	103		75 - 126		11/14/22 11:36	1
Toluene-d8 (Surr)	98		64 - 132		11/14/22 11:36	1

Lab Sample ID: LCS 400-600484/1002

Matrix: Water

Analysis Batch: 600484

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0551		mg/L		110	70 - 130
Toluene	0.0500	0.0553		mg/L		111	70 - 130
Ethylbenzene	0.0500	0.0549		mg/L		110	70 - 130

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

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

Lab Sample ID: LCS 400-600484/1002

Matrix: Water

Analysis Batch: 600484

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	0.100	0.108		mg/L		108	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene	85		72 - 119				
Dibromofluoromethane	97		75 - 126				
Toluene-d8 (Surr)	96		64 - 132				

Lab Sample ID: 400-228285-12 MS

Matrix: Water

Analysis Batch: 600484

Client Sample ID: MW-51

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.78		0.250	1.04		mg/L		102	56 - 142
Toluene	0.0022	J	0.250	0.216		mg/L		86	65 - 130
Ethylbenzene	0.013		0.250	0.198		mg/L		74	58 - 131
Xylenes, Total	0.0080	U	0.500	0.366		mg/L		73	59 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene	88		72 - 119						
Dibromofluoromethane	96		75 - 126						
Toluene-d8 (Surr)	98		64 - 132						

Lab Sample ID: 400-228285-12 MSD

Matrix: Water

Analysis Batch: 600484

Client Sample ID: MW-51

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.78		0.250	1.07		mg/L		113	56 - 142	3	30
Toluene	0.0022	J	0.250	0.240		mg/L		95	65 - 130	10	30
Ethylbenzene	0.013		0.250	0.228		mg/L		86	58 - 131	14	30
Xylenes, Total	0.0080	U	0.500	0.428		mg/L		86	59 - 130	16	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	89		72 - 119								
Dibromofluoromethane	98		75 - 126								
Toluene-d8 (Surr)	97		64 - 132								

Lab Sample ID: MB 400-600896/4

Matrix: Water

Analysis Batch: 600896

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/16/22 09:36	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/16/22 09:36	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/16/22 09:36	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/16/22 09:36	1

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

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

Lab Sample ID: MB 400-600896/4

Matrix: Water

Analysis Batch: 600896

Client Sample ID: Method Blank

Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119		11/16/22 09:36	1
Dibromofluoromethane	104		75 - 126		11/16/22 09:36	1
Toluene-d8 (Surr)	103		64 - 132		11/16/22 09:36	1

Lab Sample ID: LCS 400-600896/1002

Matrix: Water

Analysis Batch: 600896

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0466		mg/L		93	70 - 130
Toluene	0.0500	0.0470		mg/L		94	70 - 130
Ethylbenzene	0.0500	0.0476		mg/L		95	70 - 130
Xylenes, Total	0.100	0.0929		mg/L		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	90		72 - 119
Dibromofluoromethane	101		75 - 126
Toluene-d8 (Surr)	97		64 - 132

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-228285-1

Login Number: 228285

List Source: Eurofins Pensacola

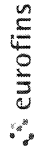
List Number: 1

Creator: Whitley, Adrian

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

Ver: 06 08 2021

Chain of Custody Record



Client Information		Lab PM: Whitmire, Cheyenne R		Carrier Tracking No(s):		COC No: 400-114534-39041.2						
Client Contact: Steve Varsa		E-Mail: Cheyenne.Whitmire@et.eurofins.com		State of Origin: MN		Page: Page 2 of 2						
Company: Stantec Consulting Services Inc		PWSID:		Job #:								
Address: 11311 Aurora Avenue		Due Date Requested:		Analysis Requested		Preservation Codes:						
City: Des Moines		TAT Requested (days): 5				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 Other:						
State, Zip: IA, 50322-7904		Compliance Project: Δ Yes Δ No				M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Y - Trizma Z - other (specify)						
Phone: WD1040009		PO #:										
Email: steve.varsa@stantec.com		WO #:										
Project Name: Blanco Field North Flare Pit 2022		ERG-STN-10-07-22-SAH-165										
Site: B VFR		40012762										
SSOW #:												
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/eff, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300 ORGMS - Nitrate & Nitrite	8260B - BTEX 8260	8260B - BTEX 8260	Total Number of containers	Special Instructions/Note:
WW-51	11/2/22	1149	G	Water	Water	Δ	Δ	Δ	Δ	Δ	9	MSD
WW-52	11/2/22	1226	G	Water	Water	Δ	Δ	Δ	Δ	Δ	9	
WW-53	11/2/22	0926	G	Water	Water	Δ	Δ	Δ	Δ	Δ	9	
WW-54	11/2/22	1258	G	Water	Water	Δ	Δ	Δ	Δ	Δ	9	
WW-55	11/2/22	1020	G	Water	Water	Δ	Δ	Δ	Δ	Δ	9	
WW-57	11/2/22	1107	G	Water	Water	Δ	Δ	Δ	Δ	Δ	9	
					Water							
					Water							
					Water							
					Water							
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological												
Deliverable Requested: I, II, III, IV, Other (specify)												
Empty Kit Relinquished by:												
Relinquished by: [Signature] Date: 11/2/22 Time: 1300												
Relinquished by: [Signature] Date: 11/2/22 Time: 1300												
Relinquished by: [Signature] Date: 11/2/22 Time: 1300												
Custody Seals Intact: Δ Yes Δ No												
Custody Seal No.: 11-3-22/828												
Cooler Temperature(s) °C and Other Remarks: 9-50C 1pg												

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: Blanco Field North Flare Pit

Job ID: 400-228285-1

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-23
ANAB	ISO/IEC 17025	L2471	02-23-23
Arkansas DEQ	State	88-0689	09-01-23
California	State	2510	06-30-23
Florida	NELAP	E81010	06-30-23
Georgia	State	E81010(FL)	06-30-23
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-23
Kentucky (WW)	State	KY98030	12-31-22
Louisiana (All)	NELAP	30976	06-30-23
Louisiana (DW)	State	LA017	12-31-22
Maryland	State	233	09-30-23
Michigan	State	9912	06-30-23
North Carolina (WW/SW)	State	314	12-31-22
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-23
South Carolina	State	96026	06-30-23
Tennessee	State	TN02907	06-30-23
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-23
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-23
West Virginia DEP	State	136	03-31-23

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Job Notes

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

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

Authorization



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11/18/2022 12:32:00 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

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 202110

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 202110
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. Please see App ID 205168 for most updated status.	5/22/2023