



## **2024 ANNUAL GROUNDWATER MONITORING REPORT – Blanco Plant – North Flare Pit**

NMOCD Incident No.  
NAUTOFCS000155

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2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT

Table of Contents

ABBREVIATIONS .....III

1.0 INTRODUCTION ..... 1

2.0 SITE BACKGROUND ..... 1

2.1 SITE DESCRIPTION ..... 1

2.2 SITE HISTORY ..... 1

2.3 GEOLOGY AND HYDROGEOLOGY ..... 4

3.0 FIELD ACTIVITIES ..... 4

3.1 DEPTH TO WATER MEASUREMENTS..... 5

3.2 LNAPL RECOVERY ..... 5

3.3 GROUNDWATER SAMPLING ..... 5

3.4 NORTH FLARE PIT ASSESSMENT ACTIVITIES ..... 6

3.5 SOIL SAMPLING..... 7

3.6 SOIL BORING ABANDONMENT ACTIVITIES ..... 7

3.7 SVE FEASIBILITY TESTING..... 8

4.0 RESULTS AND DISCUSSION ..... 8

4.1 GROUNDWATER ELEVATION AND GRADIENT ..... 8

4.2 GROUNDWATER ANALYTICAL RESULTS..... 9

4.3 SOIL ANALYTICAL RESULTS .....10

4.4 SVE FEASIBILITY TESTING RESULTS .....10

5.0 PLANNED FUTURE ACTIVITIES .....11

6.0 REFERENCES.....11

## 2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT

### LIST OF TABLES

Table 1 – LNAPL Recovery Summary

Table 2 – Groundwater Elevation Data

Table 3 – Summary of Groundwater BTEX Analytical Results

Table 4 – Summary of Groundwater Nitrate Analytical Results

Table 5 – Summary of Soil Analytical Results

### LIST OF FIGURES

Figure 1 – Site Location

Figure 2 – Site Plan

Figure 3 – Groundwater Elevation Map – May 18, 2024

Figure 4 – Groundwater Elevation Map – November 4, 2024

Figure 5 – Groundwater Analytical Results Map – November 6, 2024

Figure 6 – Soil Analytical Results Exceedances

### LIST OF APPENDICES

Appendix A – NMOCD Site Activity Notifications

Appendix B – Disposal Documentation

Appendix C – NMOSE Well Permitting Documentation

Appendix D – Monitoring Well and Soil Boring Logs

Appendix E – NMOSE Well Logs and Plugging Form

Appendix F – CalClean SVE Feasibility Report

Appendix G – Groundwater Laboratory Analytical Reports

Appendix H – Soil Laboratory Analytical Reports

Appendix I – Summary of SVE Step Testing Observations

**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT****Abbreviations**

|            |   |
|------------|---|
| AS         | air sparge  |
| bgs        | below ground surface                              |
| BLM        | United States Bureau of Land Management           |
| BTEX       | benzene, toluene, ethylbenzene, and total xylenes |
| CalClean   | CalClean Inc.                                     |
| Envirotech | Envirotech Inc.                                   |
| EPA        | United States Environmental Protection Agency     |
| EPCGP      | El Paso CGP Company, LLC                          |
| EPFS       | El Paso Field Services                            |
| EPNG       | El Paso Natural Gas Company, LLC                  |
| Eurofins   | Eurofins Environment Testing South Central        |
| HVDPE      | high-vacuum dual-phase extraction                 |
| LNAPL      | light non-aqueous phase liquid                    |
| mg/kg      | milligrams per kilogram                           |
| mg/L       | milligrams per liter                              |
| MS/MSD     | matrix spike/matrix spike duplicate               |
| NFP        | North Flare Pit                                   |
| NMED       | New Mexico Environment Department                 |
| NMOCD      | New Mexico Oil Conservation Division              |
| NMOSE      | New Mexico Office of the State Engineer           |
| NWWQCC     | New Mexico Water Quality Control Commission       |
| PID        | photo-ionization detector                         |
| PVC        | polyvinyl chloride                                |
| QC         | quality control                                   |
| Stantec    | Stantec Consulting Services Inc.                  |
| SVE        | soil vapor extraction                             |
| TPH        | total petroleum hydrocarbons                      |



**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

## **1.0 INTRODUCTION**

This 2024 Annual Groundwater Monitoring Report has been prepared on behalf of El Paso CGP Company, LLC (EPCGP) to present the results of the 2024 groundwater monitoring, soil boring advancement and well installation, and SVE feasibility testing activities at the Blanco Gas Plant – North Flare Pit (Blanco North; site). This 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 on Figure 1 and the site plan is shown on Figure 2. The site activities were completed by Stantec Consulting Services Inc. (Stantec) on behalf of EPCGP.

## **2.0 SITE BACKGROUND**

### **2.1 SITE DESCRIPTION**

The Blanco North facility is located approximately 1.5 miles northeast of Bloomfield, New Mexico, on land controlled by the United States Bureau of Land Management (BLM). The San Juan River is approximately 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 to the south, a substation to the southeast, and the Leo Manning #100S natural gas well pad to the west. Generally, the site is 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 total xylenes (BTEX) concentrations exceeding the New Mexico Water Quality Control Commission (NMWQCC) standards (MWH, 2012).

**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

- 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, 2012).
- LNAPL removal from MW-19 and MW-26 was initiated by El Paso Natural Gas Company, LLC (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 this work plan was not received from NMOCD, and groundwater monitoring at the site was discontinued (MWH, 2012).
- 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. The lined evaporation pond was located over a former evaporation pond reportedly constructed in the 1950s. 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, 2012).
- 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, 2012).
- 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, 2012).

**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

- 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, 2012).
- 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, 2012).
- 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.
- 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 the 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, with a total of eight separate monitoring wells tested. The results of these activities were summarized in the 2021 Annual Report (Stantec, 2022).
- In May 2023, an assessment of the former Kutz hydrocarbon area was conducted to evaluate whether this area was a separate source of hydrocarbons at the site. A total of five soil borings (SB-4 through SB-8) and three monitoring wells (MW-58 through MW-60) were advanced in and around a former evaporation pond. Soil

**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

samples were collected and submitted for laboratory analysis during advancement. One soil boring (SB-8) was completed as a monitoring point (MP-4) to facilitate future remedial testing. The results of these activities were summarized in the 2023 Annual Report (Stantec, 2024a).

**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 facility 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). Underlying 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 conductivity of this lithology.

The site hydrogeology and groundwater quality were also assessed by EPNG in a study conducted in 1989 (EPNG, 1989). The average hydraulic conductivity was estimated to be  $2.1 \times 10^{-4}$  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. Water bearing shales are also encountered in the vicinity of the former flare pit area.

**3.0 FIELD ACTIVITIES**

Activities completed in 2024 included quarterly LNAPL recovery, groundwater elevation gauging in May, soil boring advancement and well installation in July and October, SVE feasibility testing in August, and groundwater gauging and sampling in November. Email notifications were provided to the NMOCD prior to the start of field work. Copies of the notifications are included in Appendix A.

## 2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT

The following sections summarize the 2024 site activities.

### 3.1 DEPTH TO WATER MEASUREMENTS

Site-wide well gauging activities were conducted on May 18 and November 4, 2024. The EPNG-owned monitoring wells associated with the Blanco Plant - South Flare Pit and D Plant Areas were also gauged 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 the depth to water and depth to LNAPL, as applicable, were measured at each monitoring well that was accessed.

### 3.2 LNAPL RECOVERY

Quarterly LNAPL recovery activities were performed in March, May, August, and November 2024. The LNAPL recovery data is summarized in Table 1.

In accordance with the *July 1, 2024 Monitoring Well and Soil Boring Installation and SVE Testing Activities Work Plan* (2024 Work Plan, Stantec, 2024b), Stantec completed SVE feasibility testing in the form of vacuum extraction step tests from August 21 to August 23, 2024. The approximate hydrocarbon mass removal during these tests, described herein, is included in Table 1.

Recovered LNAPL and water were transported to the Envirotech Inc. (Envirotech) land farm south of Bloomfield, New Mexico, for disposal. Associated liquids disposal documentation is included in Appendix B.

### 3.3 GROUNDWATER SAMPLING

Following the collection of well gauging data on November 6, 2024, groundwater samples were collected from monitoring wells where no measurable LNAPL was present and a water column sufficient for the collection of groundwater samples was present. Groundwater samples were collected using HydraSleeve™ no-purge samplers. During the November event, MW-40 through MW-46, MW-48, MW-50 through MW-55, MW-57, MW-58, and MW-61 through MW-63 were sampled. Monitoring wells MW-32 and MW-47 contained LNAPL and therefore were not sampled. Monitoring wells MW-56, MW-59, and MW-60 contained an insufficient amount of water to sample. Monitoring points MP-1 through MP-6 and TW-2 through TW-4 were installed for remedial feasibility testing purposes and therefore were not sampled.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and transported by courier under standard chain-of-custody protocols to Eurofins Environment Testing South Central (Eurofins), in Albuquerque, New Mexico. One laboratory-originated trip blank, two field duplicate samples, and two matrix spike/matrix spike duplicate (MS/MSD) samples were also collected during the sampling event and submitted for analysis. During the November 2024 sampling event, the groundwater samples were submitted to the laboratory for the analysis of BTEX using United States



**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

Environmental Protection Agency (EPA) Method 8260D and nitrate and nitrite using EPA Method 300.0.

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

**3.4 NORTH FLARE PIT ASSESSMENT ACTIVITIES**

Previous monitoring using the existing monitoring well network indicates measurable LNAPL has been found in MW-32, MW-47, MP-1, and TW-2. To assess the extent of hydrocarbons in this area requiring remediation, monitoring wells MW-61 and MW-62, monitoring point MP-5, and soil borings SB-9 and SB-10 were advanced, with monitoring wells MW-61 and MW-62, and monitoring point MP-5 completed following advancement. Based on observations during advancement, monitoring point MP-6 was also installed in soil boring SB-9 following advancement. MW-63 was advanced and installed to provide a groundwater monitoring point for collection of site-specific background data for nitrates, in addition to confirming the extent of hydrocarbons in this direction. Unless otherwise noted, the soil boring advancement and monitoring well installation activities were completed in accordance with the 2024 Work Plan.

Prior to mobilization, New Mexico Office of the State Engineer (NMOSE) well permits were issued on June 21 and 27, 2024, for the advancement and installation of the proposed soil borings, monitoring point, and monitoring wells. NMOSE well permitting documentation is included in Appendix C. The monitoring well and soil boring locations were staked by Stantec prior to completing New Mexico 811 utility locate requests for the work areas. Once utility locating activities were completed and prior to advancing drill tooling, each monitoring well and soil boring location was cleared to a depth of 10 feet bgs using hydro-excavation methods by Riley Industrial Services, Inc.

Cascade Drilling, a New Mexico-licensed well driller, mobilized a rotosonic drill rig to the site to advance each monitoring well and soil boring location to depths ranging from 50 to 71 feet bgs. Soil cores were collected continuously to the termination depth using a core barrel. The recovered soil cores were logged for lithology in general accordance with the Unified Soil Classification System. The logging included a detailed description of each lithologic unit, the field-apparent moisture content, and evidence of hydrocarbon impact including observed odors. The soil was field screened at one-foot intervals along the entire length of each recovered core using a calibrated photo-ionization detector (PID). Portions of the recovered soil were also placed into sealable plastic bags for headspace screening with the PID. The field screening data, in addition to visual and olfactory observations, provided the basis for the selection of soil samples to be submitted for laboratory analysis. The logged data are included on the soil boring logs provided in Appendix D.

Monitoring wells MW-61 through MW-63 were constructed with 25 feet of 4-inch-diameter, Schedule 40, 0.010-slot polyvinyl chloride (PVC) screen and 4-inch-diameter, Schedule 40 PVC riser. Monitoring points MP-5 and MP-6 were constructed with 25 feet of

**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

2-inch- diameter, Schedule 40, 0.010-slot PVC screen and 2-inch-diameter, Schedule 40 PVC riser. The annular space around each well screen was filled with 20-40 silica sand from the bottom of the borehole to at least 2 feet above the top of the screens. At least 3 feet of hydrated bentonite chips were placed above the silica sand to provide a seal and isolate the screened interval. Bentonite grout was placed above the bentonite chips in the remaining annular space to approximately 1-foot bgs. The monitoring wells and monitoring point were completed with above-grade completions with protective lockable covers and protective bollards. The bollards and protective covers were painted safety yellow, and the unique monitoring well identification was stenciled onto the completion. The monitoring well and monitoring point construction logs are included in Appendix D. NMOSE well construction forms are included in Appendix E.

Following installation, the monitoring wells were developed by surging with a bailer until development water was visibly clear, or until the monitoring well or monitoring point went dry. After development, a HydraSleeve™ sampler was installed in each monitoring well to facilitate future groundwater sampling. The top-of-casing and ground surface elevations, and the locations of the newly installed monitoring wells, monitoring points, and soil borings, were surveyed-by a New Mexico-licensed surveyor.

Soil cuttings were containerized in a lined roll-off container provided by Envirotech, and well development and decontamination water was containerized in a drum. The hydro-excavation spoils, soil cuttings, and decontamination and well development water were transported to Envirotech for disposal. Associated disposal documentation is included in Appendix B.

**3.5 SOIL SAMPLING**

Soil samples were retained for laboratory analysis from the portions of the soil cores where suspected hydrocarbons were observed, as defined by elevated field headspace readings, discoloration and/or odors, and/or from the interval immediately above the field-interpreted water table. A total of 21 soil samples were retained for laboratory analysis.

Retained soil samples were placed in laboratory-provided 4-ounce glass jars, sealed, labeled, and placed on ice until shipped in ice-filled coolers under standard chain-of-custody protocol to Eurofins' Pensacola lab. The soil samples were submitted for the analysis of BTEX using EPA Method 8260B, total petroleum hydrocarbons (TPH) as gasoline-range organics, diesel-range organics, and oil-range organics using EPA Method 8015B, and chlorides using EPA Method 300.0. During the installation of MW-63, soil samples were sent to Eurofins' Albuquerque lab by laboratory courier.

**3.6 SOIL BORING ABANDONMENT ACTIVITIES**

Soil boring SB-10 was plugged and abandoned in accordance with the existing Plan of Abandonment for the site issued in 2017 by the NMOSE and the New Mexico Environment Department Ground Water Quality Bureau (Monitoring Well Construction and

**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

Abandonment Guidelines, dated March 2011). A copy of the NMOSE plugging form for the plugged soil boring is included in Appendix E.

**3.7 SVE FEASIBILITY TESTING**

In accordance with the 2024 Work Plan, additional feasibility testing activities were conducted at the site from August 21 through August 23, 2024, by CalClean Inc. of Orange California (CalClean). The NMOCD was notified of the start date for the feasibility testing activities on August 14, 2024 (Appendix A). The additional SVE feasibility testing was completed at locations MW-32, MW-47, MW-58, MW-61, and MP-1. The testing locations were selected as they have historically contained elevated hydrocarbon concentrations and may warrant active remediation. Based on construction logs of the testing points, each has sufficient well screen above the water table to facilitate SVE testing.

The intent of SVE is to reduce concentrations of VOCs within the saturated-vadose zone through extraction and volatilization. The SVE feasibility testing was conducted using a truck-mounted high-vacuum dual-phase extraction (HVDPE) system with a liquid ring pump with equipment configured to extract vapors without using groundwater depression to further expose the smear zone. The vacuum pump was connected to each extraction point with hoses to induce vacuum on the well. Extracted vapors were destroyed by an oxidizer, part of the truck-mounted system.

For each location, an approximately 4-hour SVE step test was conducted to evaluate vacuum, flowrate, and hydrocarbon concentration response. The process involved inducing various vacuum pressures at the test well by incrementally decreasing dilution air into the vacuum pump. During testing, flow rate, vacuum, hydrocarbon concentration, and pressure/vacuum influence at nearby monitoring points were recorded to evaluate performance.

CalClean approximates hydrocarbon concentration using a Horiba vapor analyzer. To further quantify vapor concentrations and confirm destruction efficiency of the oxidizer, vapor samples were collected from the influent and effluent streams on August 21 and August 23, 2024. Each sample was submitted to Eurofins for analysis of BTEX constituents by EPA Method TO-15 and TPH by Modified EPA Method TO-3. Analytical laboratory reports for the vapor samples are included in CalClean's report (Appendix F). No wastewater was generated during the feasibility testing that required off-site disposal.

**4.0 RESULTS AND DISCUSSION****4.1 GROUNDWATER ELEVATION AND GRADIENT**

Groundwater elevation data collected during the May and November 2024 groundwater gauging events is summarized in Table 2. Groundwater elevations during both events indicated apparent groundwater flow across the site to the southeast.



**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

Groundwater elevation contour maps for the May and November events are included as Figures 3 and 4, respectively.

**4.2 GROUNDWATER ANALYTICAL RESULTS**

Tables 3 and 4 summarize the 2024 groundwater BTEX and nitrate as nitrogen analytical results, respectively. Figure 5 depicts analyte concentrations during the November 2024 groundwater sampling event. The groundwater laboratory analytical report is included in Appendix G. The following is a summary of findings based on field observations and the 2024 groundwater analytical results:

- LNAPL was observed in monitoring wells MW-32 and MW-47 during the sampling event; therefore, groundwater samples were not collected from these wells. Additionally, MW-56 and MW-60 were found to be dry during the November 2024 sampling event. Insufficient water was present in MW-49 to collect a groundwater sample. Groundwater was not detected in MW-58 during gauging, but when the sampling sleeve was pulled there was sufficient water present for sampling.
- Groundwater samples collected from monitoring wells MW-23, MW-44, MW-45, MW-48, MW-50 through MW-53, MW-58, and MW-61 during the November event exceeded the applicable NMWQCC standard (0.01 milligrams per liter [mg/L]) for benzene. Benzene concentrations were either reported below the applicable NMWQCC standard or were not detected in the remaining monitoring wells sampled in 2024.
- The groundwater sample collected from MW-61 during the November event exceeded the applicable NMWQCC standard (0.75 mg/L) for toluene. Concentrations of toluene were either reported below the applicable NMWQCC standard or were not detected in the remaining monitoring wells sampled in 2024.
- Concentrations of ethylbenzene were either reported below the applicable NMWQCC standard (0.75 mg/L) or were not detected in the monitoring wells sampled in 2024.
- The groundwater samples collected from MW-23, MW-50, and MW-61 during the November event exceeded the applicable NMWQCC standard (0.62 mg/L) for total xylenes. Total xylene concentrations were either below the applicable NMWQCC standard or not detected in the remaining monitoring wells sampled in 2024.
- The groundwater samples collected from monitoring wells MW-40, MW-41, MW-50, MW-54, and MW-57 during the November event exceeded the applicable NMWQCC standard (10 mg/L) for nitrate as nitrogen. Nitrate as nitrogen concentrations either did not exceed the applicable NMWQCC standard or were not detected in the remaining monitoring wells sampled in 2024.

Field duplicates were collected from monitoring wells MW-45 and MW-48 during the November event. No significant differences existed between the primary and the duplicate sample results. Detectable concentrations of BTEX constituents were not reported in the trip blanks submitted for analysis during the May and November sampling events.

**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

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

**4.3 SOIL ANALYTICAL RESULTS**

Table 5 summarizes the 2024 soil analytical results and Figure 6 depicts the analyte concentrations detected in excess of NMOCD standards. The soil laboratory analytical reports are included in Appendix H. The following is a summary of the soil analytical results:

- Benzene was detected in eight samples collected from five of the six soil borings, at concentrations ranging from 0.00092 (estimated) milligrams per kilogram (mg/kg) to 27 mg/kg, above the applicable NMOCD standard of 10 mg/kg. Benzene was not detected in the remaining 13 soil samples.
- The soil sample collected from the boring for monitoring well MW-61 at 38 feet bgs exceeded the applicable NMOCD standard for total BTEX (50 mg/kg) at a concentration of 320.3 mg/kg. The soil samples collected from boring SB-09 (MP-6) at 38 feet bgs and 44 feet bgs also exceeded the standard at concentrations of 787 mg/kg and 273.8 mg/kg, respectively. Total BTEX concentrations in the remaining 18 soil samples were either below the applicable NMOCD standard for total BTEX or were not detected.
- A total of eight soil samples exceeded the applicable NMOCD standard (100 mg/kg) for TPH in three of the six boring locations. The applicable NMOCD TPH exceedances ranged from 155.3 mg/kg in the soil sample collected from MW-61 (41 feet bgs, TPH also found in associated blank) to 27,160 mg/kg in the soil sample collected from SB-09 (MP-6) (38 feet bgs). TPH concentrations in the remaining 13 soil samples were either below the applicable NMOCD TPH standard or were not detected.
- Chloride was detected in 17 of the 21 soil samples submitted, but at concentrations below the applicable NMOCD standard of 600 mg/kg.

**4.4 SVE FEASIBILITY TESTING RESULTS**

Based on the flow, hydrocarbon concentration, and induced vacuum data collected during the feasibility testing, SVE appears to be somewhat feasible at the MW-58 and MW-61 locations, marginally feasible at MW-47 and MW-32, and generally infeasible at MP-1. However, the smaller well diameter in MP-1, in comparison to the other wells tested, likely contributed to the poor flow response to SVE at this location. Based on the number and density of vacuum monitoring locations, and the high vacuum of CalClean's extraction system when compared to a typical SVE system, radii of influence are difficult to quantify. However, vacuum influences greater than a practical lower limit (0.1 to 0.5 in

**2024 ANNUAL GROUNDWATER MONITORING REPORT – BLANCO PLANT – NORTH FLARE PIT**

water) were observed at distances ranging from approximately 15 feet (MW-32 test) to over 50 feet (MW-47, MW-32, MW-61 tests). Appendix I shows a summary of SVE testing activities and documents the approximate distance between all extraction and monitoring locations.

The total amount of hydrocarbons removed during testing is estimated in CalClean's report. Based on the Horiba analyzer data, approximately 33.86 pounds (5.25 gallons) were removed between the five step tests, ranging from 0.57 pounds removed during testing at MW-47 to 25.10 pounds removed during testing at MW-58.

## **5.0 PLANNED FUTURE ACTIVITIES**

Annual groundwater monitoring is proposed for the site, with the next groundwater sampling event scheduled for the fourth calendar quarter of 2025. Groundwater samples will be collected from each site monitoring well not containing measurable LNAPL. If encountered, LNAPL will be recovered by hand bailing and the liquids will be transported to Envirotech for disposal. The groundwater samples will be submitted for laboratory analysis of BTEX constituents using EPA Method 8260D and nitrate as nitrogen using EPA Method 300.0. Field duplicates, MS/MSD samples, and a trip blank will also be submitted for analysis during the groundwater sampling event.

Monitoring and recovery of LNAPL in MW-32, MW-47, MP-1, and TW-2 will continue on a quarterly basis in 2025. If encountered, LNAPL measured in any other existing or newly installed wells will also be recovered.

Stantec will prepare a work plan for submittal to the NMOCD outlining any additional assessment or remedial testing activities planned at the site in 2025. The activities completed in 2025 and their results will be summarized in the 2025 Annual Report, to be submitted by April 1, 2026.

## **6.0 REFERENCES**

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# 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 |
|-----------------|-----------------------|-----------------------|---------------------------|-----------------------|-----------------------|---------------|
| <b>Date</b>     |                       |                       |                           |                       |                       |               |
| 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                  | 0.10                  | manual        |
| 9/23/2019       | 58.10                 | 58.20                 | 0.10                      | <0.01                 | 0.10                  | manual        |
| 10/15/2019      | 57.99                 | 58.37                 | 0.38                      | 0.03                  | 0.10                  | 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                  | 0.94                  | manual        |
| 3/30/2023       | 58.38                 | 58.41                 | 0.03                      | <0.01                 | 0.40                  | manual        |
| 5/18/2023       | 58.59                 | 58.62                 | 0.03                      | 0.02                  | 0.04                  | manual        |
| 8/31/2023       | 58.47                 | 58.49                 | 0.02                      | <0.01                 | 0.55                  | manual        |
| 11/10/2023      | 58.53                 | 58.54                 | 0.01                      | 0.01                  | 0.05                  | manual        |
| 3/26/2024       | 58.49                 | 58.50                 | 0.01                      | <0.01                 | 0.12                  | manual        |
| 5/18/2024       | 58.59                 | 58.60                 | 0.01                      | <0.01                 | 0.16                  | manual        |
| 8/22/2024       | 58.93                 | 58.94                 | 0.01                      | 0.12                  | 0.00                  | SVE Testing   |
| 8/28/2024       | 58.96                 | 58.99                 | 0.03                      | <0.01                 | 0.18                  | manual        |
| 11/4/2024       | 58.71                 | 58.74                 | 0.03                      | 0.02                  | 0.22                  | manual        |
|                 |                       |                       | Total:                    | 0.77                  | 6.04                  |               |

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

| Well ID - MW-47 | Depth to LNAPL (Feet) | Depth to Water (Feet) | Measured Thickness (Feet) | LNAPL Recovered (gal) | Water Recovered (gal) | Recovery Type |
|-----------------|-----------------------|-----------------------|---------------------------|-----------------------|-----------------------|---------------|
| <b>Date</b>     |                       |                       |                           |                       |                       |               |
| 9/23/2019       | sheen                 | 46.77                 | sheen                     | <0.01                 | 0.10                  | manual        |
| 10/15/2019      | 46.90                 | 46.91                 | 0.01                      | <0.01                 | 0.10                  | manual        |
| 4/27/2020       | 46.71                 | 46.71                 | <0.01                     | <0.01                 | 0.40                  | 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                 | 0.10                  | 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        |
| 3/30/2023       | 46.62                 | 47.08                 | 0.46                      | 0.50                  | 0.27                  | manual        |
| 5/18/2023       | 46.94                 | 47.20                 | 0.26                      | 0.20                  | 0.04                  | manual        |
| 8/31/2023       | 46.82                 | 47.20                 | 0.38                      | 0.24                  | 1.14                  | manual        |
| 11/10/2023      | 47.40                 | 47.62                 | 0.22                      | 0.18                  | 0.14                  | manual        |
| 3/26/2024       | 46.78                 | 47.32                 | 0.54                      | 0.48                  | 0.15                  | manual        |
| 5/18/2024       | 47.09                 | 47.35                 | 0.26                      | 0.24                  | 0.19                  | manual        |
| 8/23/2024       | ND                    | 47.78                 | ND                        | 0.09                  | 0.00                  | SVE Testing   |
| 11/4/2024       | 47.36                 | 47.69                 | 0.33                      | 0.3                   | 0.14                  | manual        |
|                 |                       |                       | Total:                    | 4.24                  | 5.96                  |               |

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

| Well ID - MP-1 | Depth to LNAPL (Feet) | Depth to Water (Feet) | Measured Thickness (Feet) | LNAPL Recovered (gal) | Water Recovered (gal) | Recovery Type |
|----------------|-----------------------|-----------------------|---------------------------|-----------------------|-----------------------|---------------|
| <b>Date</b>    |                       |                       |                           |                       |                       |               |
| 8/24/2021      | 56.00                 | 63.10                 | 7.10                      | 4.46                  | 1.06                  | manual        |
| 8/29/2021      | 64.10                 | ND                    | >4.40                     | 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        |
| 3/30/2023      | 54.90                 | 60.82                 | 5.92                      | 3.17                  | 0.23                  | manual        |
| 5/18/2023      | 54.90                 | 60.82                 | 5.92                      | 2.43                  | 0.11                  | manual        |
| 8/31/2023      | 55.49                 | 59.97                 | 4.48                      | 2.25                  | 1.59                  | manual        |
| 11/10/2023     | 55.58                 | 60.74                 | 5.16                      | 2.14                  | 0.04                  | manual        |
| 3/26/2024      | 55.10                 | 60.45                 | 5.35                      | 2.84                  | 0.19                  | manual        |
| 5/18/2024      | 55.72                 | 60.02                 | 4.30                      | 0.18                  | 0.06                  | manual        |
| 8/22/2024      | 55.79                 | 60.22                 | 4.43                      | 0.37                  | 0.00                  | SVE Testing   |
| 8/28/2024      | 55.77                 | 60.90                 | 5.13                      | 2.82                  | 0.59                  | manual        |
| 11/4/2024      | 55.42                 | 60.47                 | 5.05                      | 2.81                  | 0.08                  | manual        |
|                |                       |                       | Total:                    | 40.17                 | 6.69                  |               |
| Well ID - TW-2 | Depth to LNAPL (Feet) | Depth to Water (Feet) | Measured Thickness (Feet) | LNAPL Recovered (gal) | Water Recovered (gal) | Recovery Type |
| <b>Date</b>    |                       |                       |                           |                       |                       |               |
| 11/9/2021      | 61.89                 | ND                    | >0.61                     | 0.18                  | <0.10                 | manual        |
| 3/23/2022      | 60.94                 | 62.16                 | 1.22                      | 0.62                  | 0.33                  | 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                      | 0.34                  | 0.18                  | manual        |
| 3/30/2023      | 60.59                 | 60.71                 | 0.12                      | 0.65                  | 0.16                  | manual        |
| 5/18/2023      | 61.41                 | 61.91                 | 0.50                      | 0.24                  | 0.02                  | manual        |
| 8/31/2023      | 61.00                 | 61.65                 | 0.65                      | 0.34                  | 0.24                  | manual        |
| 11/10/2023     | 61.47                 | 61.95                 | 0.48                      | 0.18                  | 0.06                  | manual        |
| 3/26/2024      | 60.76                 | 61.61                 | 0.85                      | 0.42                  | 0.07                  | manual        |
| 5/18/2024      | 61.24                 | 61.73                 | 0.49                      | 0.18                  | 0.06                  | manual        |
| 8/28/2024      | 60.98                 | 61.65                 | 0.67                      | 0.31                  | 0.18                  | manual        |
| 11/4/2024      | 61.42                 | 61.89                 | 0.47                      | 0.17                  | 0.07                  | manual        |
|                |                       |                       | Total:                    | 4.28                  | 1.48                  |               |

**Notes:**

gal = Gallons.

LNAPL = Light non-aqueous phase liquid.

SVE = Soil Vapor Extraction.

NA = Not Applicable.

N/A = Not Attempted.

ND = Not Detected.

NR = Not Recorded.

LNAPL Data for previous years are 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                    | 5576.40                |
|                 |                         | 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 (cont.)   | 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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 59.29                    | 5575.04                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 59.35                    | 5574.98                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 59.43                    | 5574.90                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 59.42                    | 5574.91                |
| 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                |

**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 (cont.)   | 5650.00                 | 8/25/2021        | ND                       | 0.00                   | 59.16                    | 5590.84                |
|                 |                         | 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                |
|                 |                         | 3/30/2023        | 58.38                    | 0.03                   | 58.41                    | 5591.61                |
|                 |                         | 5/18/2023        | 58.59                    | 0.03                   | 58.62                    | 5591.40                |
|                 |                         | 8/31/2023        | 58.47                    | 0.02                   | 58.49                    | 5591.53                |
|                 |                         | 11/10/2023       | 58.53                    | 0.01                   | 58.54                    | 5591.47                |
|                 |                         | 3/26/2024        | 58.49                    | 0.01                   | 58.50                    | 5591.51                |
|                 |                         | 5/18/2024        | 58.59                    | 0.01                   | 58.60                    | 5591.41                |
|                 |                         | 8/22/2024        | 58.93                    | 0.01                   | 58.94                    | 5591.07                |
|                 |                         | 8/23/2024        | ND                       | ND                     | 58.94                    | 5591.06                |
|                 |                         | 8/25/2024        | 58.96                    | 0.03                   | 58.99                    | 5591.03                |
|                 |                         | 11/4/2024        | 58.71                    | 0.03                   | 58.74                    | 5591.28                |
| 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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 63.71                    | 5557.72                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 63.76                    | 5557.67                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 63.52                    | 5557.91                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 63.44                    | 5557.99                |
| 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                |

**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 (cont.)   | 5629.52                 | 11/1/2022        | ND                       | ND                     | 70.98                    | 5558.54                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 70.19                    | 5559.33                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 69.35                    | 5560.17                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 69.58                    | 5559.94                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 70.14                    | 5559.38                |
| 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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 69.71                    | 5554.20                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 68.84                    | 5555.07                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 68.04                    | 5555.87                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 67.26                    | 5556.65                |
| 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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 70.55                    | 5555.89                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 69.84                    | 5556.60                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 69.01                    | 5557.43                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 68.33                    | 5558.11                |
| 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                |

**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 (cont.)   | 5626.89                 | 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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 68.54                    | 5558.35                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 68.29                    | 5558.60                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 67.81                    | 5559.08                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 67.90                    | 5558.99                |
| 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                |
|                 |                         | 5/19/2023        | ND                       | ND                     | 75.97                    | 5557.98                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 75.43                    | 5558.52                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 74.55                    | 5559.40                |
|                 |                         | 8/21/2024        | ND                       | ND                     | 74.31                    | 5559.64                |
| MW-46           | 5650.99                 | 11/4/2024        | ND                       | ND                     | 74.13                    | 5559.82                |
|                 |                         | 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                |

**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-46 (cont.)   | 5650.99                 | 5/17/2022        | ND                       | ND                     | 48.07                    | 5602.92                |
|                 |                         | 11/1/2022        | ND                       | ND                     | 49.05                    | 5601.94                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 47.09                    | 5603.90                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 47.90                    | 5603.09                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 46.40                    | 5604.59                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 46.99                    | 5604.00                |
| 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                |
|                 |                         | 3/30/2023        | 46.62                    | 0.46                   | 47.08                    | 5591.01                |
|                 |                         | 5/18/2023        | 46.94                    | 0.26                   | 47.20                    | 5590.74                |
|                 |                         | 8/31/2023        | 46.82                    | 0.38                   | 47.20                    | 5590.83                |
|                 |                         | 11/10/2023       | 47.40                    | 0.22                   | 47.62                    | 5590.29                |
|                 |                         | 3/26/2024        | 46.78                    | 0.54                   | 47.32                    | 5590.83                |
|                 |                         | 5/18/2024        | 47.09                    | 0.26                   | 47.35                    | 5590.59                |
|                 |                         | 8/22/2024        | ND                       | ND                     | 47.27                    | 5590.47                |
|                 |                         | 8/23/2024        | ND                       | ND                     | 47.78                    | 5589.96                |
|                 |                         | 11/4/2024        | 47.36                    | 0.33                   | 47.69                    | 5590.30                |
| 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                |

**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-48 (cont.)   | 5651.4                  | 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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 53.92                    | 5597.48                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 53.89                    | 5597.51                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 54.19                    | 5597.21                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 53.88                    | 5597.52                |
| 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                    |
|                 |                         | 5/18/2023        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 11/10/2023       | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 5/18/2024        | ND                       | ND                     | 73.48                    | 5558.29                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 73.53                    | 5558.24                |
| 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                    |
|                 |                         | 5/18/2023        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 11/10/2023       | ND                       | ND                     | 72.74                    | 5570.30                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 71.83                    | 5571.21                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 72.96                    | 5570.08                |
| 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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 50.70                    | 5588.80                |

**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) |
|----------------------|-------------------------|------------------|--------------------------|------------------------|--------------------------|------------------------|
| <b>MW-51 (cont.)</b> | <b>5639.50</b>          | 11/10/2023       | ND                       | ND                     | 50.87                    | 5588.63                |
|                      |                         | 5/18/2024        | ND                       | ND                     | 50.82                    | 5588.68                |
|                      |                         | 11/4/2024        | ND                       | ND                     | 50.91                    | 5588.59                |
| <b>MW-52</b>         | <b>5643.83</b>          | 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                |
|                      |                         | 5/18/2023        | ND                       | ND                     | 50.56                    | 5593.27                |
|                      |                         | 11/10/2023       | ND                       | ND                     | 50.60                    | 5593.23                |
|                      |                         | 5/18/2024        | ND                       | ND                     | 50.82                    | 5593.01                |
|                      |                         | 8/23/2024        | ND                       | ND                     | 50.85                    | 5592.98                |
|                      |                         | 11/4/2024        | ND                       | ND                     | 54.13                    | 5589.70                |
| <b>MW-53</b>         | <b>5656.17</b>          | 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                |
|                      |                         | 5/18/2023        | ND                       | ND                     | 42.93                    | 5613.24                |
|                      |                         | 11/10/2023       | ND                       | ND                     | 43.00                    | 5613.17                |
|                      |                         | 5/18/2024        | ND                       | ND                     | 42.98                    | 5613.19                |
|                      |                         | 11/4/2024        | ND                       | ND                     | 43.06                    | 5613.11                |
| <b>MW-54</b>         | <b>5651.30</b>          | 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                |
|                      |                         | 5/18/2023        | ND                       | ND                     | 57.65                    | 5593.65                |
|                      |                         | 11/10/2023       | ND                       | ND                     | 58.23                    | 5593.07                |
|                      |                         | 5/18/2024        | ND                       | ND                     | 58.28                    | 5593.02                |
|                      |                         | 8/22/2024        | ND                       | ND                     | 58.88                    | 5592.42                |
|                      |                         | 11/4/2024        | ND                       | ND                     | 58.53                    | 5592.77                |



**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-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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 48.50                    | 5585.04                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 48.60                    | 5584.94                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 48.48                    | 5585.06                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 48.44                    | 5585.10                |
| 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                    |
|                 |                         | 5/18/2023        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 11/10/2023       | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 5/18/2024        | ND                       | ND                     | 59.86                    | 5568.02                |
|                 |                         | 11/4/2024        | 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                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 57.05                    | 5569.37                |
|                 |                         | 8/31/2023        | ND                       | ND                     | 65.05                    | 5561.37                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 56.15                    | 5570.27                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 59.33                    | 5567.09                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 62.90                    | 5563.52                |
| MW-58           | 5642.11                 | 5/18/2023        | ND                       | ND                     | 65.16                    | 5576.95                |
|                 |                         | 8/31/2023        | ND                       | ND                     | 65.77                    | 5576.34                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 65.89                    | 5576.22                |
|                 |                         | 3/26/2024        | ND                       | ND                     | 66.26                    | 5575.85                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 66.31                    | 5575.80                |
|                 |                         | 8/21/2024        | ND                       | ND                     | 66.45                    | 5575.66                |
|                 |                         | 11/4/2024        | 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-59           | 5641.72                 | 5/18/2023        | ND                       | ND                     | 71.88                    | 5569.84                |
|                 |                         | 8/31/2023        | ND                       | ND                     | 72.00                    | 5569.72                |
|                 |                         | 11/10/2023       | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 3/26/2024        | ND                       | ND                     | 72.04                    | 5569.68                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 72.04                    | 5569.68                |
|                 |                         | 8/21/2024        | ND                       | ND                     | 72.06                    | 5569.66                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 72.11                    | 5569.61                |
| MW-60           | 5647.96                 | 5/18/20223       | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 11/10/2023       | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 3/26/2024        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 5/18/2024        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 11/4/2024        | ND                       | ND                     | DRY                      | N/A                    |
| MW-61           | 5640.10                 | 8/22/2024        | ND                       | ND                     | 49.16                    | 5590.94                |
|                 |                         | 8/23/2024        | ND                       | ND                     | 49.13                    | 5590.97                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 48.74                    | 5591.36                |
| MW-62           | 5644.02                 | 8/22/2024        | ND                       | ND                     | 46.56                    | 5597.46                |
|                 |                         | 8/23/2024        | ND                       | ND                     | 46.65                    | 5597.37                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 48.73                    | 5595.29                |
| MW-63           | 5643.47                 | 11/4/2024        | ND                       | ND                     | 65.94                    | 5577.53                |
| 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                |
|                 |                         | 3/30/2023        | 54.90                    | 5.92                   | 60.82                    | 5592.15                |
|                 |                         | 5/18/2023        | 55.68                    | 4.59                   | 60.27                    | 5591.70                |
|                 |                         | 8/31/2023        | 55.49                    | 4.48                   | 59.97                    | 5591.92                |
|                 |                         | 11/10/2023       | 55.58                    | 5.16                   | 60.74                    | 5591.66                |
| MP-1 (contd.)   | 5648.53                 | 3/26/2024        | 55.10                    | 5.35                   | 60.45                    | 5592.09                |
|                 |                         | 5/18/2024        | 55.72                    | 4.30                   | 60.02                    | 5591.74                |
|                 |                         | 8/22/2024        | 55.79                    | 4.43                   | 60.22                    | 5591.63                |
|                 |                         | 8/23/2024        | 55.71                    | 25.17                  | 80.88                    | 5586.53                |
|                 |                         | 8/28/2024        | 55.77                    | 5.13                   | 60.90                    | 5591.48                |
|                 |                         | 11/4/2024        | 55.42                    | 5.05                   | 60.47                    | 5591.85                |
| 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                    |
|                 |                         | 3/30/2023        | ND                       | ND                     | 52.59                    | 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) |
|-----------------|-------------------------|------------------|--------------------------|------------------------|--------------------------|------------------------|
| MP-2 (cont.)    | 5639.67                 | 5/18/2023        | ND                       | ND                     | 52.62                    | N/A                    |
|                 |                         | 8/31/2023        | ND                       | ND                     | 48.61                    | N/A                    |
|                 |                         | 11/10/2023       | ND                       | ND                     | 52.59                    | N/A                    |
|                 |                         | 3/26/2024        | ND                       | ND                     | 52.47                    | N/A                    |
|                 |                         | 5/18/2024        | ND                       | ND                     | 52.43                    | 5587.24                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 51.54                    | 5588.13                |
| 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                |
|                 |                         | 3/30/2023        | ND                       | ND                     | 75.86                    | 5558.10                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 75.92                    | 5558.04                |
|                 |                         | 8/31/2023        | ND                       | ND                     | 75.69                    | 5558.27                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 75.38                    | 5558.58                |
|                 |                         | 3/26/2024        | ND                       | ND                     | 74.70                    | 5559.26                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 74.50                    | 5559.46                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 74.08                    | 5559.88                |
| MP-4            | 5640.98                 | 5/18/2024        | ND                       | ND                     | 60.40                    | 5580.58                |
|                 |                         | 8/21/2024        | ND                       | ND                     | 60.29                    | 5580.69                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 60.40                    | 5580.58                |
| MP-5            | 5651.45                 | 8/22/2024        | ND                       | ND                     | 65.58                    | 5585.87                |
|                 |                         | 8/23/2024        | ND                       | ND                     | 65.63                    | 5585.82                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 66.74                    | 5584.71                |
| MP-6            | 5639.87                 | 8/22/2024        | ND                       | ND                     | 59.99                    | 5579.88                |
|                 |                         | 8/23/2024        | ND                       | ND                     | 59.71                    | 5580.16                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 53.00                    | 5586.87                |
| 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                |
|                 |                         | 7/29/2022        | 61.28                    | 1.63                   | 62.91                    | 5587.76                |
|                 |                         | 11/1/2022        | 61.06                    | 0.63                   | 61.69                    | 5588.23                |
|                 |                         | 3/30/2023        | 60.59                    | 0.12                   | 60.71                    | 5588.83                |
|                 |                         | 5/18/2023        | 61.41                    | 0.50                   | 61.91                    | 5587.92                |
|                 |                         | 8/31/2023        | 61.00                    | 0.65                   | 61.65                    | 5588.29                |
|                 |                         | 11/10/2023       | 61.47                    | 0.48                   | 61.95                    | 5587.86                |
|                 |                         | 3/26/2024        | 60.76                    | 0.85                   | 61.61                    | 5588.48                |
|                 |                         | 5/18/2024        | 61.29                    | 0.44                   | 61.73                    | 5588.05                |
|                 |                         | 8/22/2024        | 61.00                    | 0.61                   | 61.61                    | 5588.30                |
|                 |                         | 8/23/2024        | ND                       | ND                     | 61.01                    | 5588.44                |
|                 |                         | 8/28/2024        | ND                       | ND                     | 60.98                    | 5588.47                |
|                 |                         | 11/4/2024        | 61.42                    | 0.47                   | 61.89                    | 5587.91                |

**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) |
|-----------------|-------------------------|------------------|--------------------------|------------------------|--------------------------|------------------------|
| 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                    |
|                 |                         | 3/30/2023        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 5/18/2023        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 8/31/2023        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 11/10/2023       | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 3/26/2024        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 5/18/2024        | ND                       | ND                     | DRY                      | N/A                    |
|                 |                         | 11/4/2024        | ND                       | ND                     | 56.12                    | 5588.47                |
| 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                |
|                 |                         | 3/30/2023        | ND                       | ND                     | 75.83                    | 5557.95                |
|                 |                         | 5/18/2023        | ND                       | ND                     | 75.88                    | 5557.90                |
|                 |                         | 8/31/2023        | ND                       | ND                     | 75.67                    | 5558.11                |
|                 |                         | 11/10/2023       | ND                       | ND                     | 75.33                    | 5558.45                |
|                 |                         | 3/26/2024        | ND                       | ND                     | 74.65                    | 5559.13                |
|                 |                         | 5/18/2024        | ND                       | ND                     | 74.45                    | 5559.33                |
|                 |                         | 8/21/2024        | ND                       | ND                     | 74.23                    | 5559.55                |
|                 |                         | 11/4/2024        | ND                       | ND                     | 74.03                    | 5559.75                |

**Notes:**

ft amsl = Feet above mean sea level.

ft btoc = Feet below top of casing.

LNAPL = Light non-aqueous phase liquid.

N/A = Elevation not determined.

NA = Historical data not available.

ND = Not detected.

NM = Not measured.

TOC = Top of casing.

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

Groundwater elevation is calculated by: [top of casing elevation – depth to water + (LNAPL thickness × 0.75)].

A specific gravity of 0.75 is within the range of gas condensate (<https://www.sciencedirect.com/topics/earth-and-planetary-sciences/gas-condensate>)

**Table 3**  
**Summary of Groundwater BTEX 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) |
|-----------------|-------------------------|----------------|----------------|---------------------|----------------------|
| MW-23           | NMWQCC Standard (mg/L): | 0.01           | 0.75           | 0.75                | 0.62                 |
|                 | 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               |
|                 | 5/18/2023               | 8.5            | <0.1           | <0.1                | <1.0                 |
|                 | 11/13/2023              | 7.1            | <0.045         | 0.09                | 0.54                 |
|                 | 11/6/2024               | 9.1            | 0.0035         | 0.19                | 1.4                  |

**Table 3**  
**Summary of Groundwater BTEX 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) |
|--------------------------------|-------------|--|----------------|---------------------|----------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>0.01</b>                            | <b>0.75</b>    | <b>0.75</b>         | <b>0.62</b>          |
| <b>MW-32</b>                   | 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.   |                |                     |                      |
|                                | 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.   |                |                     |                      |
|                                | 5/18/2023   | Sample not collected. LNAPL in well.   |                |                     |                      |
|                                | 11/13/2023  | Sample not collected. LNAPL in well.   |                |                     |                      |
|                                | 11/6/2024   | Sample not collected. LNAPL in well.   |                |                     |                      |
| <b>MW-33</b>                   | 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. |                |                     |                      |

**Table 3**  
**Summary of Groundwater BTEX 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-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              |
|                         | 11/13/2023          | <0.00050       | <0.00090       | <0.00050            | <0.0016              |
|                         | 11/6/2024           | 0.00054 J      | <0.00025       | <0.00021            | <0.00037             |
| 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              |
|                         | 11/2/2022           | <0.00013       | <0.00041       | <0.00050            | <0.0016              |
|                         | 11/13/2023          | <0.00050       | <0.00090       | <0.00050            | <0.0016              |
|                         | 11/6/2024           | 0.00028 J      | <0.00025       | <0.00021            | <0.00037             |
| MW-42                   | 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              |
|                         | 5/17/2022           | <0.00013       | <0.00041       | <0.00050            | <0.0016              |
|                         | 11/2/2022           | <0.00013       | <0.00041       | <0.00050            | <0.0016              |
|                         | 11/13/2023          | <0.00050       | <0.00090       | <0.00050            | <0.0016              |
|                         | 11/6/2024           | <0.00023       | <0.00025       | <0.00021            | <0.00037             |
| MW-43                   | 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              |
|                         | 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              |
|                         | 11/13/2023          | <0.00050       | <0.00090       | <0.00050            | <0.0016              |
|                         | 11/6/2024           | <0.00023       | <0.00025       | <0.00021            | <0.00037             |
| MW-44                   | 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              |
|                         | 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              |
|                         | 11/13/2023          | 0.013          | <0.00090       | 0.0017              | <0.0016              |
|                         | 11/6/2024           | 0.02           | <0.0013        | 0.0015 J            | <0.0019              |



**Table 3**  
**Summary of Groundwater BTEX 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) |
|--------------------------------|---------------------|--------------------------------------|----------------|---------------------|----------------------|
| <b>NMWQCC Standard (mg/L):</b> |                     | <b>0.01</b>                          | <b>0.75</b>    | <b>0.75</b>         | <b>0.62</b>          |
| <b>MW-45</b>                   | 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                |
|                                | 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              |
|                                | 5/18/2023           | 0.12                                 | 0.0027         | 0.0014              | <0.01                |
|                                | 5/18/2023 (Dup-01)  | 0.083                                | 0.0019         | <0.001              | <0.01                |
|                                | 11/13/2023          | 0.57                                 | 0.019          | 0.0083              | 0.063                |
|                                | 11/13/2023 (Dup-01) | 0.25                                 | 0.0089         | 0.0044              | 0.034                |
|                                | 11/6/2024           | 0.11                                 | 0.006 J        | 0.0024 J            | 0.016                |
|                                | 11/6/2024 (Dup-02)  | 0.075                                | 0.014          | 0.0051              | 0.039                |
| <b>MW-46</b>                   | 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          | 0.000258 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              |
|                                | 11/13/2023          | 0.00072 J                            | <0.00090       | <0.00050            | <0.0016              |
|                                | 11/6/2024           | <0.00045                             | <0.0005        | <0.00043            | <0.00075             |
|                                |                     |                                      |                |                     |                      |
| <b>MW-47</b>                   | 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. |                |                     |                      |
|                                | 5/18/2023           | Sample not collected. LNAPL in well. |                |                     |                      |
|                                | 11/13/2023          | Sample not collected. LNAPL in well. |                |                     |                      |
|                                | 11/6/2024           | Sample not collected. LNAPL in well. |                |                     |                      |
| <b>MW-48</b>                   | 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               |
|                                | 11/13/2023          | 3.9                                  | <0.018         | 0.040               | <0.032               |
|                                | 11/13/2023 (Dup-02) | 2.5                                  | <0.0090        | 0.020               | <0.016               |
|                                | 11/6/2024           | 3.3                                  | <0.0013        | 0.041               | 0.0048 J             |
|                                | 11/6/2024 (Dup-01)  | 3.3                                  | 0.0011         | 0.045               | 0.0053               |



**Table 3**  
**Summary of Groundwater BTEX 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) |
|--------------------------------|-------------------|---------------------------------|------------------|----------------------|----------------------|
| <b>NMWQCC Standard (mg/L):</b> |                   | <b>0.01</b>                     | <b>0.75</b>      | <b>0.75</b>          | <b>0.62</b>          |
| <b>MW-49</b>                   | 9/24/2019         | <0.00018                        | <b>0.0002 J</b>  | <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. |                  |                      |                      |
|                                | 11/13/2023        | Sample not collected. Dry well. |                  |                      |                      |
|                                | 11/6/2024         | Sample not collected. Dry well. |                  |                      |                      |
| <b>MW-50</b>                   | 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. |                  |                      |                      |
|                                | 11/13/2023        | <0.00050                        | <0.00090         | <0.00050             | <0.0016              |
|                                | 11/6/2024         | <b>0.00055 J</b>                | <0.0005          | <0.00043             | <0.00075             |
| <b>MW-51</b>                   | 9/24/2019         | <b>0.201</b>                    | <b>0.0621</b>    | <b>0.00655</b>       | <b>0.161</b>         |
|                                | 4/28/2020         | <0.000176                       | <0.000198        | <b>0.000331 J</b>    | <0.000366            |
|                                | 4/28/2020 (MD-51) | <0.000176                       | <0.000198        | <b>0.000394 J</b>    | <0.000366            |
|                                | 11/18/2020        | <b>0.58</b>                     | <b>0.0048 J</b>  | <b>0.029</b>         | <b>0.032 J</b>       |
|                                | 5/20/2021         | <b>0.66 F1J-</b>                | <b>0.0025 J</b>  | <b>0.027 F1F2JJ-</b> | <0.0080 F1F2UJ       |
|                                | 11/10/2021        | <b>0.51</b>                     | <b>0.0020</b>    | <b>0.016</b>         | <b>0.0052 J</b>      |
|                                | 5/17/2022         | <b>0.48</b>                     | <0.0021          | <b>0.0073</b>        | <0.0080              |
|                                | 11/2/2022         | <b>0.78</b>                     | <b>0.0022 J</b>  | <b>0.013</b>         | <0.0080              |
|                                | 5/18/2023         | <b>0.53</b>                     | <0.005           | <b>0.0065</b>        | <0.05                |
| <b>MW-52</b>                   | 11/13/2023        | <b>0.73</b>                     | <0.0045          | <b>0.0097</b>        | <0.0080              |
|                                | 9/24/2019         | <0.00018                        | <0.0002          | <b>0.00043 J</b>     | <0.00037             |
|                                | 4/28/2020         | <0.000176                       | <0.000198        | <0.000212            | <0.000366            |
|                                | 11/18/2020        | <b>0.23 J-</b>                  | <0.00041         | <b>0.0072 J-</b>     | <0.0016              |
|                                | 5/20/2021         | <b>0.30</b>                     | <0.00082         | <b>0.0092</b>        | <0.0032              |
|                                | 11/10/2021        | <b>0.32</b>                     | <b>0.0011 J</b>  | <b>0.0041</b>        | <b>0.0058 J</b>      |
|                                | 5/17/2022         | <b>0.38 F1</b>                  | <0.00082         | <b>0.0037</b>        | <0.0032              |
|                                | 11/2/2022         | <b>0.38</b>                     | <0.00082         | <b>0.0027</b>        | <0.0032              |
|                                | 11/13/2023        | <b>0.31</b>                     | <0.0018          | <0.0010              | <0.0032              |
| <b>MW-53</b>                   | 11/6/2024         | <b>0.47</b>                     | <0.0013          | <0.0011              | <0.0019              |
|                                | 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              |
|                                | 11/13/2023        | <0.00050                        | <0.00090         | <0.00050             | <0.0016              |
| <b>MW-54</b>                   | 11/6/2024         | <b>0.00058 J</b>                | <0.00025         | <0.00021             | <0.00037             |
|                                | 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              |
| <b>MW-55</b>                   | 11/13/2023        | <0.00050                        | <0.00090         | <0.00050             | <0.0016              |
|                                | 9/24/2019         | <0.00018                        | <0.0002          | <0.00021             | <b>0.00051 J</b>     |
|                                | 4/27/2020         | <b>0.00697</b>                  | <b>0.00253</b>   | <0.000212            | <b>0.000644 J</b>    |
|                                | 11/18/2020        | <b>0.0048</b>                   | <b>0.00097 J</b> | <0.00050             | <0.0016              |
|                                | 5/20/2021         | <b>0.0051</b>                   | <b>0.0011</b>    | <0.00050             | <0.0016              |
|                                | 11/10/2021        | <b>0.004</b>                    | <b>0.0023</b>    | <0.00050             | <0.0016              |
|                                | 5/17/2022         | <b>0.0072</b>                   | <b>0.0029</b>    | <0.00050             | <0.0016              |
|                                | 11/2/2022         | <b>0.0022</b>                   | <0.00041         | <0.00050             | <0.0016              |
|                                | 11/13/2023        | <b>0.0029</b>                   | <b>0.0015</b>    | <0.00050             | <0.0016              |
| <b>MW-55</b>                   | 11/6/2024         | <b>0.0061</b>                   | <b>0.0043</b>    | <0.00021             | <b>0.001 J</b>       |

**Table 3**  
**Summary of Groundwater BTEX 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) |
|--------------------------------|-------------|---------------------------------|-----------------|---------------------|----------------------|
| <b>NMWQCC Standard (mg/L):</b> |             | <b>0.01</b>                     | <b>0.75</b>     | <b>0.75</b>         | <b>0.62</b>          |
| <b>MW-56</b>                   | 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. |                 |                     |                      |
|                                | 11/2/2022   | Sample not collected. Dry well. |                 |                     |                      |
|                                | 11/13/2023  | Sample not collected. Dry well. |                 |                     |                      |
|                                | 11/6/2024   | Sample not collected. Dry well. |                 |                     |                      |
| <b>MW-57</b>                   | 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              |
|                                | 11/13/2023  | <0.00050                        | <0.00090        | <0.00050            | <0.0016              |
|                                | 11/6/2024   | <0.00023                        | <0.00025        | <0.00021            | <0.00037             |
| <b>MW-58</b>                   | 5/18/2023   | <b>4.1 J+</b>                   | <b>4.9 J+</b>   | <b>0.31</b>         | <b>3.3</b>           |
|                                | 11/13/2023  | <b>9.6</b>                      | <0.090          | <b>0.19</b>         | <0.16                |
|                                | 11/6/2024   | <b>8.8</b>                      | <b>0.045</b>    | <b>0.13</b>         | <b>0.18</b>          |
| <b>MW-59</b>                   | 5/18/2023   | <b>0.49</b>                     | <b>0.53</b>     | <b>0.0057</b>       | <b>0.10</b>          |
|                                | 11/13/2023  | Sample not collected. Dry well. |                 |                     |                      |
|                                | 11/6/2024   | Sample not collected. Dry well. |                 |                     |                      |
| <b>MW-60</b>                   | 11/13/2023  | Sample not collected. Dry well. |                 |                     |                      |
|                                | 11/6/2024   | Sample not collected. Dry well. |                 |                     |                      |
| <b>MW-61</b>                   | 11/6/2024   | <b>4.4</b>                      | <b>5.0</b>      | <b>0.16</b>         | <b>2.5</b>           |
| <b>MW-62</b>                   | 11/6/2024   | <b>13</b>                       | <b>0.0013 J</b> | <b>0.21</b>         | <b>0.0042 J</b>      |
| <b>MW-63</b>                   | 11/6/2024   | <b>0.0021</b>                   | <0.0005         | <0.00043            | <0.00075             |

**Notes:**

mg/L = Milligrams per liter.

NMWQCC = New Mexico Water Quality Control Commission.

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

Bolded text indicates a detected concentration.

Highlighted cells and bolded text indicates the concentration exceeded the NMWQCC standard.

B = The analyte was 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 = The analyte was detected at a concentration above the instrument detection limit but below the method detection limit.

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

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 = The analyte was detected in an associated QA/QC blank; sample result considered non-detect.

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

&lt; = The analyte was not detected above the listed method detection limit.

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

| Monitoring Well         | Sample Date | Nitrate as Nitrogen (mg/L)            |
|-------------------------|-------------|---------------------------------------|
| NMWQCC Standard (mg/L): |             | 10                                    |
| MW-23                   | 4/2/2018    | <0.628                                |
|                         | 9/24/2019   | <b>1.26 J</b>                         |
|                         | 4/28/2020   | <0.0251                               |
|                         | 11/18/2020  | <b>0.10</b>                           |
|                         | 5/20/2021   | <0.33                                 |
|                         | 11/10/2021  | <0.063                                |
|                         | 5/17/2022   | <0.63                                 |
|                         | 5/18/2023   | <2.0                                  |
|                         | 11/13/2023  | <0.63 UJ                              |
|                         | 11/6/2024   | <1 UJ                                 |
| MW-32                   | 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                                    |
|                         | 5/17/2022   | NC                                    |
|                         | 11/13/2023  | NC                                    |
|                         | 11/6/2024   | NC                                    |
| MW-33                   | 12/17/2014  | <b>19</b>                             |
|                         | 11/14/2017  | <b>80.9</b>                           |
|                         | 4/2/2018    | <b>154</b>                            |
|                         | 11/14/2018  | <b>87.8</b>                           |
|                         | 4/17/2019   | <b>72</b>                             |
|                         | 9/24/2019   | <b>80.4</b>                           |
|                         | 4/28/2020   | <0.0251                               |
|                         | 11/18/2020  | <b>54 J-</b>                          |
|                         | 5/20/2021   | <b>57</b>                             |
|                         | 7/16/2021   | Monitoring well plugged and abandoned |
| MW-40                   | 11/14/2017  | <0.017                                |
|                         | 4/2/2018    | <0.628                                |
|                         | 11/14/2018  | <b>12.5</b>                           |
|                         | 4/17/2019   | <b>1.17</b>                           |
|                         | 9/24/2019   | <b>0.58</b>                           |
|                         | 4/27/2020   | <b>15.4</b>                           |
|                         | 11/18/2020  | <b>40 J-</b>                          |
|                         | 5/20/2021   | <b>51</b>                             |
|                         | 11/10/2021  | <b>54 HJ-</b>                         |
|                         | 5/17/2022   | <b>61</b>                             |
|                         | 11/13/2023  | <b>71 J</b>                           |
|                         | 11/6/2024   | <b>79 J</b>                           |
| MW-41                   | 11/14/2017  | <0.017                                |
|                         | 4/2/2018    | <0.628                                |
|                         | 11/14/2018  | <0.0251                               |
|                         | 4/16/2019   | <0.0251                               |
|                         | 9/24/2019   | <0.0251                               |
|                         | 4/27/2020   | <0.502                                |
|                         | 11/18/2020  | <b>4.9</b>                            |
|                         | 5/20/2021   | <b>5.1</b>                            |
|                         | 11/10/2021  | <b>6.6</b>                            |
|                         | 5/17/2022   | <b>11</b>                             |
|                         | 11/13/2023  | <b>22 J</b>                           |
|                         | 11/6/2024   | <b>35 J</b>                           |

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

| Monitoring Well         | Sample Date         | Nitrate as Nitrogen (mg/L) |
|-------------------------|---------------------|----------------------------|
| NMWQCC Standard (mg/L): |                     | 10                         |
| MW-42                   | 4/2/2018            | <0.628                     |
|                         | 9/24/2019           | <0.0251                    |
|                         | 4/27/2020           | <0.502                     |
|                         | 11/18/2020          | <0.033                     |
|                         | 5/20/2021           | <0.33                      |
|                         | 11/10/2021          | <0.063                     |
|                         | 5/17/2022           | <0.63                      |
|                         | 11/13/2023          | <0.63 UJ                   |
|                         | 11/6/2024           | <0.1 UJ                    |
| MW-43                   | 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          | <0.063                     |
|                         | 5/17/2022           | <0.63                      |
|                         | 11/13/2023          | <0.63 UJ                   |
|                         | 11/6/2024           | <0.1 UJ                    |
| 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                     |
|                         | 5/17/2022           | <0.63                      |
|                         | 11/13/2023          | <0.63 UJ                   |
|                         | 11/6/2024           | <0.1 UJ                    |
| MW-45                   | 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          | <b>0.27</b>                |
|                         | 5/17/2022           | <0.32                      |
|                         | 5/18/2023           | <1.0                       |
|                         | 5/18/2023 (Dup-01)  | <1.0                       |
|                         | 11/13/2023          | <b>0.63 J</b>              |
|                         | 11/13/2023 (Dup-01) | <b>0.82</b>                |
|                         | 11/6/2024           | <b>1.6 J</b>               |
|                         | 11/6/2024(Dup-02)   | <b>2.2 J</b>               |
|                         |                     |                            |
| MW-46                   | 4/2/2018            | <0.628                     |
|                         | 9/23/2019           | <0.0251                    |
|                         | 4/28/2020           | <0.0251                    |
|                         | 11/18/2020          | <0.033                     |
|                         | 5/20/2021           | <b>0.39 J</b>              |
|                         | 11/10/2021          | <0.063                     |
|                         | 5/17/2022           | <0.63                      |
|                         | 11/13/2023          | <0.63 UJ                   |
|                         | 11/6/2024           | <0.1 UJ                    |

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

| Monitoring Well         | Sample Date         | Nitrate as Nitrogen (mg/L) |
|-------------------------|---------------------|----------------------------|
| NMWQCC Standard (mg/L): |                     | 10                         |
| MW-47                   | 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                         |
|                         | 5/17/2022           | NC                         |
|                         | 11/13/2023          | NC                         |
|                         | 11/6/2024           | NC                         |
| MW-48                   | 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                     |
|                         | 5/17/2022           | <0.63                      |
|                         | 5/17/2022 (Dup-01)  | <0.63                      |
|                         | 11/13/2023          | <0.63 UJ                   |
|                         | 11/13/2023 (Dup-02) | <0.63 UJ                   |
|                         | 11/6/2024           | <0.1 UJ                    |
|                         | 11/6/2024 (Dup-01)  | <1 UJ                      |
| MW-49                   | 9/24/2019           | <0.0251                    |
|                         | 4/28/2020           | <0.0251                    |
|                         | 11/18/2020          | <0.033                     |
|                         | 5/20/2021           | NC                         |
|                         | 11/10/2021          | NC                         |
|                         | 5/17/2022           | NC                         |
|                         | 11/13/2023          | NC                         |
|                         | 11/6/2024           | NC                         |
| MW-50                   | 9/23/2019           | 16.7 J                     |
|                         | 4/28/2020           | 4.08                       |
|                         | 11/18/2020          | 4.2                        |
|                         | 5/20/2021           | NC                         |
|                         | 11/10/2021          | NC                         |
|                         | 5/17/2022           | NC                         |
|                         | 11/13/2023          | 96 J                       |
|                         | 11/6/2024           | 91 J                       |
| MW-51                   | 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                      |
|                         | 5/18/2023           | <2.0                       |
|                         | 11/13/2023          | <0.63 UJ                   |
|                         | 11/6/2024           | <0.1 UJ                    |

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

| Monitoring Well         | Sample Date       | Nitrate as Nitrogen (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                      |
|                         | 11/13/2023        | <0.63 UJ                   |
|                         | 11/6/2024         | <0.1 UJ                    |
| 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                      |
|                         | 11/13/2023        | <0.63 UJ                   |
|                         | 11/6/2024         | <0.1 UJ                    |
| 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-                     |
|                         | 5/17/2022         | 13                         |
|                         | 11/13/2023        | 12 J                       |
| MW-55                   | 11/6/2024         | 12 J                       |
|                         | 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                     |
|                         | 5/17/2022         | <0.63                      |
|                         | 11/13/2023        | <0.63 UJ                   |
| MW-56                   | 11/6/2024         | <0.1 UJ                    |
|                         | 9/24/2019         | <0.0251                    |
|                         | 4/28/2020         | <0.0251                    |
|                         | 11/18/2020        | 0.46                       |
|                         | 5/20/2021         | NC                         |
|                         | 11/10/2021        | NC                         |
|                         | 5/17/2022         | NC                         |
|                         | 11/13/2023        | NC                         |
| MW-57                   | 11/6/2024         | NC                         |
|                         | 11/10/2021        | 4.9                        |
|                         | 5/17/2022         | 10                         |
|                         | 11/13/2023        | 54 J                       |
| MW-58                   | 11/6/2024         | 47 J                       |
|                         | 5/18/2023         | <1.0                       |
|                         | 11/13/2023        | <0.63 UJ                   |
| MW-59                   | 11/6/2024         | <0.1 UJ                    |
|                         | 5/18/2023         | <1.0                       |
|                         | 11/13/2023        | NC                         |
| MW-60                   | 11/6/2024         | NC                         |
|                         | 11/13/2023        | NC                         |

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

| Monitoring Well         | Sample Date | Nitrate as Nitrogen (mg/L) |
|-------------------------|-------------|----------------------------|
| NMWQCC Standard (mg/L): |             | 10                         |
| <b>MW-61</b>            | 11/6/2024   | <0.1 UJ                    |
| <b>MW-62</b>            | 11/6/2024   | <0.1 UJ                    |
| <b>MW-63</b>            | 11/6/2024   | 0.29 J                     |

**Notes:**

mg/L = Milligrams per liter.

NMWQCC = New Mexico Water Quality Control Commission.

Bolded text indicates a detected concentration.

Highlighted cells and bolded text indicates the concentration exceeded the NMWQCC standard.

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

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

J = The reported result is estimated.

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

NC = A sample was not collected from this location.

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

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

Table 5  
Summary of Soil Analytical Results  
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

| Location                      | Sample Depth (ft<br>bgs) | Date (mm/dd/yy) | Benzene (mg/kg) | Toluene (mg/kg)  | Ethylbenzene<br>(mg/kg) | Xylenes, Total<br>(mg/kg) | Total BTEX<br>(mg/kg) | GRO C6-10<br>(mg/kg) | DRO C10-28<br>(mg/kg) | ORO C28-35<br>(mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
|-------------------------------|--------------------------|-----------------|-----------------|------------------|-------------------------|---------------------------|-----------------------|----------------------|-----------------------|-----------------------|-------------|------------------|
| NMOCD Criteria <sup>a</sup> : |                          |                 | 10              | NE               | NE                      | NE                        | 50 <sup>b</sup>       | NE                   | NE                    | NE                    | 100         | 600              |
| MW-40                         | 1-2                      | 9/5/2017        | <0.000617       | <0.00135         | <0.000999               | <0.00111                  | <0.00135              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 11-12                    | 9/7/2017        | <0.000576       | <0.00126         | <0.000933               | <0.00103                  | <0.00126              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 19-20                    | 9/7/2017        | <0.000593       | <0.0013          | <0.00096                | <0.0013                   | <0.0013               | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 29-30                    | 9/7/2017        | <0.000655       | <0.00144         | <0.00106                | <0.00118                  | <0.00144              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-40                    | 9/7/2017        | <0.000627       | <0.00137         | <0.00102                | <0.00113                  | <0.00137              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 50-51                    | 9/7/2017        | <0.000603       | <0.00132         | <0.000976               | <0.00108                  | <0.00132              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 57-58                    | 9/7/2017        | <0.000555       | <0.00122         | <0.000898               | <0.000995                 | <0.00122              | NA                   | NA                    | NA                    | NA          | NA               |
| MW-41                         | 1-2                      | 9/5/2017        | <0.00063        | <0.00138         | <0.00102                | <0.00113                  | <0.00138              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 12-14                    | 9/13/2017       | <0.000662       | <0.00145         | <0.00107                | <0.00119                  | <0.00145              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 20-22                    | 9/13/2017       | <0.000649       | <0.00142         | <0.00105                | <0.00116                  | <0.00142              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 35-36                    | 9/13/2017       | <0.000583       | <0.00128         | <0.000943               | <0.00105                  | <0.00128              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 40-41                    | 9/13/2017       | <0.00066        | <0.00145         | <0.00107                | <0.00118                  | <0.00145              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 50-51                    | 9/13/2017       | <0.000808       | <0.00177         | <0.00131                | <0.00145                  | <0.00177              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 60-61                    | 9/13/2017       | <0.000573       | <0.00126         | <0.000928               | <0.00103                  | <0.00126              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 64-65                    | 9/13/2017       | <0.000631       | <0.00138         | <0.00102                | <0.00113                  | <0.00138              | NA                   | NA                    | NA                    | NA          | NA               |
| MW-42                         | 1-2                      | 9/6/2017        | <0.00131        | <0.00288         | <0.00213                | <0.00236                  | <0.00288              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 13-15                    | 9/15/2017       | <0.000663       | <0.00145         | <0.00107                | <0.00119                  | <0.00145              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 20-21                    | 9/15/2017       | <0.000658       | <0.00144         | <0.00106                | <0.00118                  | <0.00144              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 30-31                    | 9/15/2017       | <0.000666       | <0.00146         | <0.00108                | <0.00119                  | <0.00146              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 40-41                    | 9/15/2017       | <0.000645       | <0.00141         | <0.00104                | <0.00116                  | <0.00141              | NA                   | NA                    | NA                    | NA          | NA               |
| MW-43                         | 1-2                      | 9/5/2017        | <0.00131        | <0.00286         | <0.00212                | <0.00235                  | <0.00286              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 14-15                    | 9/8/2017        | <0.00068        | <0.00149         | <0.0011                 | <0.00122                  | <0.00149              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 20-21                    | 9/8/2017        | <0.000619       | <0.00135         | <0.001                  | <0.00111                  | <0.00135              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 25-26                    | 9/8/2017        | <0.000564       | <0.00123         | <0.000913               | <0.00101                  | <0.00123              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 41-42                    | 9/8/2017        | <0.000655       | <0.00143         | <0.00106                | <0.00117                  | <0.00143              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 54-55                    | 9/8/2017        | <0.000583       | <0.00128         | <b>0.00644</b>          | <b>0.0139</b>             | <b>0.020</b>          | NA                   | NA                    | NA                    | NA          | NA               |
| MW-44                         | 1-2                      | 9/6/2017        | <0.0012         | <0.00262         | <0.00194                | <0.00215                  | <0.00262              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 14-16                    | 9/10/2017       | <b>0.0025 J</b> | <0.00146         | <0.00108                | <0.00119                  | <b>0.003 J</b>        | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 20-21                    | 9/10/2017       | <0.000592       | <0.0013          | <0.000958               | <0.00106                  | <0.0013               | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 31-32                    | 9/10/2017       | <0.000671       | <0.00147         | <0.00109                | <0.0012                   | <0.00147              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 41-42                    | 9/10/2017       | <0.000562       | <0.00123         | <0.00091                | <0.00101                  | <0.00123              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 53-54                    | 9/10/2017       | <0.000654       | <0.00143         | <0.00106                | <0.00117                  | <0.00143              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 62-63                    | 9/10/2017       | <0.000511       | <0.00112         | <b>0.00293 J</b>        | <0.000917                 | <b>0.003 J</b>        | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 69-70                    | 9/10/2017       | <0.000581       | <0.00127         | <0.00094                | <0.00104                  | <0.00127              | NA                   | NA                    | NA                    | NA          | NA               |
| MW-45                         | 1-2                      | 9/5/2017        | <0.00089        | <0.00195         | <0.00144                | <0.0016                   | <0.00195              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 13-14                    | 9/11/2017       | <0.000644       | <0.00141         | <0.00104                | <0.00116                  | <0.00141              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 23-24                    | 9/12/2017       | <b>0.0011 J</b> | <b>0.00135 J</b> | <0.000997               | <0.00235                  | <b>0.002 J</b>        | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 31-32                    | 9/12/2017       | <b>0.102</b>    | <0.0012          | <b>0.101</b>            | <b>0.00316 J</b>          | <b>0.21 J</b>         | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 35-36                    | 9/12/2017       | <b>0.224 J</b>  | <b>0.498 J</b>   | <b>0.440 J</b>          | <b>4.02 J</b>             | <b>5.18 J</b>         | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-40                    | 9/12/2017       | <b>1.22</b>     | <b>4.87</b>      | <b>4.82</b>             | <b>54.8</b>               | <b>66</b>             | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 48-49                    | 9/12/2017       | <b>25.1</b>     | <b>45.9</b>      | <b>29.5</b>             | <b>317</b>                | <b>418</b>            | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 59-60                    | 9/12/2017       | <b>20.1</b>     | <b>4.92</b>      | <b>5.51</b>             | <b>77.1</b>               | <b>108</b>            | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 69-70                    | 4/12/2017       | <b>21.6</b>     | <b>20.7</b>      | <b>16</b>               | <b>155</b>                | <b>213</b>            | NA                   | NA                    | NA                    | NA          | NA               |



Table 5  
Summary of Soil Analytical Results  
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

| Location                      | Sample Depth (ft<br>bgs) | Date (mm/dd/yy) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene<br>(mg/kg) | Xylenes, Total<br>(mg/kg) | Total BTEX<br>(mg/kg) | GRO C6-10<br>(mg/kg) | DRO C10-28<br>(mg/kg) | ORO C28-35<br>(mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
|-------------------------------|--------------------------|-----------------|-----------------|-----------------|-------------------------|---------------------------|-----------------------|----------------------|-----------------------|-----------------------|-------------|------------------|
| NMOCD Criteria <sup>a</sup> : |                          |                 | 10              | NE              | NE                      | NE                        | 50 <sup>b</sup>       | NE                   | NE                    | NE                    | 100         | 600              |
| MW-46                         | 1-2                      | 9/6/2017        | <0.000704       | <0.00154        | <0.00114                | <0.00126                  | <0.00154              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 12-13                    | 9/18/2017       | <0.000685       | <0.0015         | <0.00111                | <0.00123                  | <0.0015               | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 25-26                    | 9/18/2017       | <0.000645       | <0.00141        | <0.00104                | <0.00116                  | <0.00141              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 35-36                    | 9/18/2017       | <0.000657       | <0.00144        | <0.00106                | <0.00118                  | <0.00144              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 41-42                    | 9/18/2017       | <0.000704       | <0.00154        | <0.00114                | <0.00126                  | <0.00154              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 49-50                    | 9/18/2017       | <0.000549       | <0.0012         | <0.000889               | <0.000985                 | <0.0012               | NA                   | NA                    | NA                    | NA          | NA               |
| MW-47                         | 1-2                      | 9/6/2017        | <0.00106        | <0.00232        | <0.00172                | <0.0019                   | <0.00232              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 12-13                    | 9/19/2017       | <0.000685       | <0.0015         | <0.00111                | <0.00123                  | <0.0015               | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 20-21                    | 9/19/2017       | <0.000664       | <0.00145        | <0.00107                | <0.00119                  | <0.00145              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 30-31                    | 9/19/2017       | <0.000586       | <0.00128        | <0.000949               | <0.00105                  | <0.00128              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-40                    | 9/19/2017       | 0.0064          | <0.00113        | 0.0438                  | 0.104                     | 0.15                  | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 44-45                    | 9/19/2017       | 6.08            | <0.18           | 1.67                    | 40.4                      | 48                    | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 46-47                    | 9/19/2017       | 0.049           | 0.00727         | 0.00398 J               | 0.132                     | 0.19 J                | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 47-49                    | 9/19/2017       | 1.82            | 9.25            | 0.524                   | 5.29                      | 17                    | NA                   | NA                    | NA                    | NA          | NA               |
| MW-48                         | 1-2                      | 9/6/2017        | <0.00107        | <0.00234        | <0.00173                | <0.00191                  | <0.00234              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 12-13                    | 9/21/2017       | <0.00067        | <0.00147        | <0.00108                | <0.0012                   | <0.00147              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 21-22                    | 9/21/2017       | <0.000632       | <0.00138        | <0.00102                | <0.00113                  | <0.00138              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 29-30                    | 9/21/2017       | <0.00053        | <0.00116        | <0.000858               | <0.000951                 | <0.00116              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 36-37                    | 9/21/2017       | 0.00581         | 0.0377          | 0.0102                  | 0.156                     | 0.21                  | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-40                    | 9/21/2017       | 3.88            | 23.3            | 1.8                     | 25.2                      | 54                    | NA                   | NA                    | NA                    | NA          | NA               |
| MW-49                         | 1-2                      | 8/15/2019       | <0.000603       | <0.00132        | <0.000976               | <0.00108                  | <0.00132              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 14-15                    | 8/17/2019       | <0.000625       | <0.00137        | <0.00101                | <0.00112                  | <0.00137              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 19-20                    | 8/17/2019       | <0.000612       | <0.00134        | <0.000991               | <0.0011                   | <0.00134              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 29-30                    | 8/17/2019       | <0.000599       | <0.00131        | <0.00097                | <0.00107                  | <0.00131              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-40                    | 8/17/2019       | <0.000644       | <0.00141        | <0.00104                | <0.00116                  | <0.00141              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 49-50                    | 8/17/2019       | <0.000634       | <0.00139        | <0.00103                | <0.00114                  | <0.00139              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 56-57                    | 8/17/2019       | <0.000626       | <0.00137        | <0.00101                | <0.00112                  | <0.00137              | NA                   | NA                    | NA                    | NA          | NA               |
| MW-50                         | 1-2                      | 8/14/2019       | <0.000651       | <0.00143        | <0.00105                | <0.00117                  | <0.00143              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 12-13                    | 8/18/2019       | <0.000653       | <0.00143        | <0.00106                | <0.00117                  | <0.00143              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 19-20                    | 8/18/2019       | <0.00068        | <0.00149        | <0.0011                 | <0.00122                  | <0.00149              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 29-30                    | 8/18/2019       | <0.000675       | <0.00148        | <0.00109                | <0.00121                  | <0.00148              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-40                    | 8/18/2019       | <0.000725       | <0.00159        | <0.00117                | <0.0013                   | <0.00159              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 49-50                    | 8/18/2019       | <0.000705       | <0.00154        | <0.00114                | <0.00126                  | <0.00154              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 57-58                    | 8/18/2019       | <0.000669       | <0.00147        | <0.00108                | <0.0012                   | <0.00147              | NA                   | NA                    | NA                    | NA          | NA               |
| MW-51                         | 1-2                      | 8/14/2019       | <0.000607       | <0.00133        | <0.000983               | <0.00109                  | <0.00133              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 13-14                    | 8/19/2019       | <0.00314        | <0.00688        | <0.00509                | <0.00563                  | <0.00688              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 19-20                    | 8/19/2019       | <0.00322        | <0.00705        | <0.00521                | <0.00578                  | <0.00705              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 29-30                    | 8/19/2019       | <0.00313        | <0.00686        | <0.00507                | <0.00561                  | <0.00686              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-40                    | 8/19/2019       | <0.000649       | 0.00174 J       | <0.00105                | 0.0105                    | 0.01 J                | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 49-50                    | 8/19/2019       | 1.36            | 5.86            | 1.12                    | 18.2                      | 27                    | NA                   | NA                    | NA                    | NA          | NA               |
| MW-52                         | 1-2                      | 8/14/2019       | <0.000568       | <0.00124        | <0.00092                | <0.00102                  | <0.00124              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 10-11                    | 8/24/2019       | <0.000647       | <0.00142        | <0.00105                | <0.00116                  | <0.00142              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 19-20                    | 8/24/2019       | <0.000629       | <0.00138        | <0.00102                | <0.00113                  | <0.00138              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 29-30                    | 8/24/2019       | <0.000671       | <0.00147        | <0.00109                | <0.0012                   | <0.00147              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 36-37                    | 8/24/2019       | <0.000641       | <0.00141        | <0.00104                | <0.00115                  | <0.00141              | NA                   | NA                    | NA                    | NA          | NA               |

Table 5  
Summary of Soil Analytical Results  
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

| Location                      | Sample Depth (ft<br>bgs) | Date (mm/dd/yy) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene<br>(mg/kg) | Xylenes, Total<br>(mg/kg) | Total BTEX<br>(mg/kg) | GRO C6-10<br>(mg/kg) | DRO C10-28<br>(mg/kg) | ORO C28-35<br>(mg/kg) | TPH (mg/kg)    | Chloride (mg/kg) |
|-------------------------------|--------------------------|-----------------|-----------------|-----------------|-------------------------|---------------------------|-----------------------|----------------------|-----------------------|-----------------------|----------------|------------------|
| NMOCD Criteria <sup>a</sup> : |                          |                 | 10              | NE              | NE                      | NE                        | 50 <sup>b</sup>       | NE                   | NE                    | NE                    | 100            | 600              |
| MW-53                         | 1-2                      | 8/15/2019       | <0.000674       | <0.00148        | <0.00109                | <0.00121                  | <0.00148              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 9-10                     | 8/22/2019       | <0.000633       | <0.00139        | <0.00102                | <0.00114                  | <0.00139              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 19-20                    | 8/22/2019       | <0.000647       | <0.00142        | <0.00105                | <0.00116                  | <0.00142              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 29-30                    | 8/22/2019       | <0.000597       | <0.00131        | <0.000967               | <0.00107                  | <0.00131              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 32-33                    | 8/22/2019       | <0.000673       | <0.00147        | <0.00109                | <0.00121                  | <0.00147              | NA                   | NA                    | NA                    | NA             | NA               |
| MW-54                         | 0-1                      | 8/14/2019       | <0.00894        | <0.00196        | <0.00145                | <0.0016                   | <0.00894              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 10-11                    | 8/20/2019       | <0.000644       | <0.00141        | <0.00104                | <0.00115                  | <0.00141              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 19-20                    | 8/20/2019       | <0.000594       | <0.0013         | <0.000962               | <0.00107                  | <0.0013               | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 29-30                    | 8/20/2019       | <0.000642       | <0.00141        | <0.00104                | <0.00115                  | <0.00141              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 39-40                    | 8/20/2019       | <0.00058        | <0.00127        | <0.000939               | <0.00104                  | <0.00127              | NA                   | NA                    | NA                    | NA             | NA               |
| MW-55                         | 1-2                      | 8/14/2019       | <0.00061        | <0.00134        | <0.000988               | <0.00109                  | <0.00134              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 10-11                    | 8/15/2019       | <0.000695       | <0.00152        | <b>0.00134 J</b>        | <b>0.00134 J</b>          | <b>0.003 J</b>        | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 19-20                    | 8/15/2019       | <0.000634       | <0.00139        | <0.00103                | <0.00114                  | <0.00139              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 29-30                    | 8/15/2019       | <0.000642       | <0.00141        | <0.00104                | <0.00115                  | <0.00141              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 34-35                    | 8/15/2019       | <b>0.00542</b>  | <b>0.0079</b>   | <0.00105                | <b>0.0133</b>             | <b>0.03</b>           | NA                   | NA                    | NA                    | NA             | NA               |
| MW-56                         | 0-1                      | 8/16/2019       | <0.000742       | <0.00163        | <0.0012                 | <0.00133                  | <0.00163              | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 41-42                    | 8/17/2019       | <0.000748       | <0.00164        | <0.00121                | <0.00134                  | <0.00164              | NA                   | NA                    | NA                    | NA             | NA               |
| MW-57                         | 30-32.5                  | 7/15/2021       | <0.00079        | <0.00072        | <0.0012                 | <0.0022                   | <0.0022               | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 43.5-46                  | 7/15/2021       | <0.00086        | <0.00078        | <0.0013                 | <0.0024                   | <0.0024               | NA                   | NA                    | NA                    | NA             | NA               |
|                               | 58.5-61                  | 7/15/2021       | <0.00070        | <0.00064        | <0.0010                 | <0.0020                   | <0.0020               | NA                   | NA                    | NA                    | NA             | NA               |
| MW-58                         | 14                       | 5/9/2023        | <0.00077        | <0.0012         | <0.00071                | <0.0022                   | <0.0022               | <b>3.5 J</b>         | <b>6.0</b>            | <b>8.8</b>            | <b>18 J</b>    | <b>33 F2 F1</b>  |
|                               | 17                       | 5/9/2023        | <0.093          | <b>1.0</b>      | <b>2.6</b>              | <b>26</b>                 | <b>29.6</b>           | <b>2100</b>          | <b>1100</b>           | <b>250</b>            | <b>3450</b>    | <b>580</b>       |
|                               | 20                       | 5/9/2023        | <0.032          | <b>0.47</b>     | <b>1.2</b>              | <b>13</b>                 | <b>14.7</b>           | <b>580</b>           | <b>560</b>            | <b>99</b>             | <b>1239</b>    | <b>150</b>       |
|                               | 25                       | 5/9/2023        | <0.068          | <b>4.8</b>      | <b>8.0</b>              | <b>85</b>                 | <b>97.8</b>           | <b>2800</b>          | <b>2900</b>           | <b>510</b>            | <b>6210</b>    | <b>210</b>       |
|                               | 36                       | 5/9/2023        | <0.036          | <b>0.11 J</b>   | <b>0.17 J</b>           | <b>3.7</b>                | <b>3.98 J</b>         | <b>270</b>           | <b>250</b>            | <b>31</b>             | <b>551</b>     | <b>37</b>        |
|                               | 46                       | 5/9/2023        | <b>2.3</b>      | <b>37</b>       | <b>10</b>               | <b>160</b>                | <b>209.3</b>          | <b>2900</b>          | <b>860</b>            | <b>100</b>            | <b>3860</b>    | <b>40</b>        |
|                               | 62                       | 5/9/2023        | <b>0.026</b>    | <b>0.30</b>     | <b>0.030</b>            | <b>0.33</b>               | <b>0.69</b>           | <b>25</b>            | <b>8.8</b>            | <2.3                  | <b>34</b>      | <b>8.9 J</b>     |
| MW-59                         | 15                       | 5/7/2023        | <0.00068        | <0.0010         | <0.00062                | <0.0019                   | <0.0019               | <2.8                 | <2.1                  | <2.1*-                | <2.8           | <b>290</b>       |
|                               | 47                       | 5/7/2023        | <0.00070        | <0.0010         | <0.00063                | <0.0020                   | <0.0020               | <2.9                 | <2.2                  | <2.2*-                | <2.9           | <b>7.3 J</b>     |
|                               | 58                       | 5/8/2023        | <b>0.002 J</b>  | <b>0.029</b>    | <b>0.0033 J</b>         | <b>0.044</b>              | <b>0.08 J</b>         | <b>14</b>            | <b>11</b>             | <2.2*-                | <b>25</b>      | <b>3.1 J</b>     |
|                               | 63                       | 5/8/2023        | <b>0.54</b>     | <b>3.8</b>      | <b>0.26</b>             | <b>3.8</b>                | <b>8.4</b>            | <b>45</b>            | <b>66</b>             | <b>6.2</b>            | <b>117.2</b>   | <b>3.5 J</b>     |
| MW-60                         | 27                       | 5/6/2023        | <0.00069        | <0.001          | <0.00063                | <0.002                    | <0.002                | <2.5                 | <2.1                  | <2.1                  | <2.5           | <b>23</b>        |
|                               | 63                       | 5/6/2023        | <0.00073        | <0.0011         | <0.00066                | <0.0021                   | <0.0021               | <3.0                 | <2.2                  | <2.2                  | <3.0           | <b>4.4 J</b>     |
| MW-61                         | 27                       | 7/9/2024        | <0.00077        | <0.0011         | <0.00070                | <b>0.0031 J</b>           | <b>0.0031 J</b>       | <3.3                 | <b>4.3 J</b>          | <2.3                  | <b>4.3 J</b>   | <b>2.7 J</b>     |
|                               | 38                       | 7/9/2024        | <b>21</b>       | <b>140</b>      | <b>9.3</b>              | <b>150</b>                | <b>320.3</b>          | <b>8700</b>          | <b>4100</b>           | <b>160 B</b>          | <b>12960 B</b> | <b>18 J</b>      |
|                               | 41                       | 7/9/2024        | <0.052          | <b>0.38</b>     | <b>0.14 J</b>           | <b>2.1</b>                | <b>2.62 J</b>         | <b>120</b>           | <b>27</b>             | <b>8.3 B</b>          | <b>155.3 B</b> | <b>12 J</b>      |
| MW-62                         | 20                       | 7/11/2024       | <0.00074        | <0.0011         | <0.00067                | <0.0021                   | <0.0021               | <3.5                 | <b>4.6 J</b>          | <b>5.0 JB</b>         | <b>9.6 JB</b>  | <b>2.9 J</b>     |
|                               | 41                       | 7/11/2024       | <0.00079        | <0.0012         | <0.00072                | <0.0022                   | <0.0022               | <3.6                 | <b>5.7 J</b>          | <2.6                  | <b>5.7 J</b>   | <b>21 J</b>      |
|                               | 47                       | 7/11/2024       | <b>0.020</b>    | <0.0012         | <b>0.0013 J</b>         | <b>0.0045 J</b>           | <b>0.0258</b>         | <b>4.5 J</b>         | <b>36</b>             | <b>3.6 JB</b>         | <b>44.1</b>    | <b>15 J</b>      |
| MW-63                         | 26                       | 10/30/2024      | <0.0077         | <0.0087         | <0.0057                 | <0.016                    | <0.016                | <1.2                 | <8.4                  | <27                   | <27            | <60              |
|                               | 41                       | 10/30/2024      | <0.0080         | <0.0090         | <0.0059                 | <0.017                    | <0.017                | <1.3                 | <8.4                  | <27                   | <27            | <60              |
|                               | 53                       | 10/30/2024      | <0.0078         | <0.0087         | <0.0057                 | <0.016                    | <0.016                | <1.2                 | <8.0                  | <26                   | <26            | <60              |
|                               | 57                       | 10/30/2024      | <0.0074         | <0.0083         | <0.0055                 | <0.016                    | <0.016                | <1.2                 | <8.1                  | <26                   | <26            | <60              |

Table 5  
Summary of Soil Analytical Results  
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

| Location                      | Sample Depth (ft<br>bgs) | Date (mm/dd/yy) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene<br>(mg/kg) | Xylenes, Total<br>(mg/kg) | Total BTEX<br>(mg/kg) | GRO C6-10<br>(mg/kg) | DRO C10-28<br>(mg/kg) | ORO C28-35<br>(mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
|-------------------------------|--------------------------|-----------------|-----------------|-----------------|-------------------------|---------------------------|-----------------------|----------------------|-----------------------|-----------------------|-------------|------------------|
| NMOCD Criteria <sup>a</sup> : |                          |                 | 10              | NE              | NE                      | NE                        | 50 <sup>b</sup>       | NE                   | NE                    | NE                    | 100         | 600              |
| MP-1                          | 29-31                    | 7/19/2021       | 0.021 J         | 0.48            | 0.043 J                 | 2.4                       | 2.94 J                | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-41                    | 7/19/2021       | <0.00022        | <0.00036        | 0.0012 J                | 0.0021 J                  | 0.003 J               | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 51-53                    | 7/19/2021       | 0.0066 J        | 0.18            | 0.36                    | 2.8                       | 3.35 J                | NA                   | NA                    | NA                    | NA          | NA               |
| MP-2                          | 35-37.5                  | 7/18/2021       | <0.00023        | 0.00065 J       | 0.0026 J                | 0.017                     | 0.02 J                | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 49-51                    | 7/18/2021       | 0.0054          | 0.13            | 1.8                     | 14                        | 15.9                  | NA                   | NA                    | NA                    | NA          | NA               |
| MP-3                          | 30-32.5                  | 7/17/2021       | 0.22 J          | 1.5             | 0.27 J                  | 14                        | 16 J                  | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 47.5-50                  | 7/17/2021       | 5.2             | 9.6             | 19                      | 93                        | 126.8                 | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 58.5-61                  | 7/17/2021       | 1.3             | 1.8             | 0.69 J                  | 16                        | 19.8 J                | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 70.5-73                  | 7/17/2021       | 0.0011 J        | 0.013           | 0.0026 J                | 0.11                      | 0.13 J                | NA                   | NA                    | NA                    | NA          | NA               |
| MP-5                          | 30                       | 7/14/2024       | <0.00085        | <0.0013         | <0.00077                | <0.0024                   | <0.0024               | <3.7                 | 5.6 J                 | 3.1 JB                | 8.7 JB      | 16 J             |
|                               | 46                       | 7/14/2024       | 0.060           | 0.21            | 0.0062                  | 0.055                     | 0.331                 | 59                   | 10                    | 4.3 JB                | 73.3 JB     | 8.9 J            |
|                               | 50                       | 7/14/2024       | 0.00092 J       | 0.015           | 0.0012 J                | 0.0093 J                  | 0.02642 J             | 15                   | 4.2 J                 | <2.6                  | 19.2 J      | 12 J             |
| SB-01                         | 1-2                      | 9/6/2017        | <0.000589       | <0.000954       | <0.00129                | <0.00106                  | <0.00129              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 12-13                    | 9/22/2017       | <0.000588       | <0.000952       | <0.00129                | <0.00106                  | <0.00129              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 19-21                    | 9/22/2017       | <0.000712       | <0.00115        | <0.00156                | 0.00265 J                 | 0.003 J               | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 31-32                    | 9/22/2017       | <0.000592       | <0.000958       | <0.0013                 | <0.00106                  | <0.0013               | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 38-39                    | 9/22/2017       | <0.000527       | <0.000854       | <0.00116                | <0.000946                 | <0.00116              | NA                   | NA                    | NA                    | NA          | NA               |
| SB-02                         | 1-2                      | 9/6/2017        | <0.000585       | <0.001628       | <0.000947               | <0.00105                  | <0.001628             | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 12-14                    | 9/22/2017       | <0.000618       | <0.00135        | <0.001                  | <0.00110                  | <0.00135              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 20-21                    | 9/22/2017       | <0.000616       | <0.00135        | <0.000997               | <0.00111                  | <0.00135              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 28-30                    | 9/22/2017       | 0.093           | <0.00143        | 0.044                   | 0.117                     | 0.25                  | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 39-40                    | 9/22/2017       | 0.00229 J       | 0.0102          | <0.000931               | 0.00425 J                 | 0.02 J                | NA                   | NA                    | NA                    | NA          | NA               |
| SB-03                         | 1-2                      | 9/6/2017        | <0.000624       | <0.00137        | <0.00101                | <0.00112                  | <0.00137              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 13-14                    | 9/22/2017       | <0.000616       | <0.00135        | <0.000997               | <0.0011                   | <0.00135              | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 20-21                    | 9/22/2017       | <0.000662       | <0.00145        | <0.00107                | 0.00713                   | 0.007                 | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 28-30                    | 9/22/2017       | 5.73            | 11.4            | 12.5                    | 182                       | 212                   | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 33-34                    | 9/22/2017       | 5.59            | 66.8            | 5.14                    | 81.9                      | 159                   | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 36-37                    | 9/22/2017       | 61.8            | 261             | 13.4                    | 216                       | 552                   | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 40-42                    | 9/22/2017       | 4.28            | 28.1            | 4.16                    | 60.6                      | 97                    | NA                   | NA                    | NA                    | NA          | NA               |
|                               | 43-44                    | 9/22/2017       | 7.32            | 43.1            | 4.88                    | 76.8                      | 132                   | NA                   | NA                    | NA                    | NA          | NA               |
| SB-04                         | 20                       | 5/2/2023        | <0.00070        | <0.001          | <0.00063                | <0.002                    | <0.002                | <2.4                 | <2.0                  | <2.0                  | <2.4        | 15 J             |
|                               | 30                       | 5/2/2023        | <0.00077        | <0.0012         | <0.0007                 | <0.0022                   | <0.0022               | <3.0                 | <2.2                  | <2.2                  | <3.0        | 30               |
|                               | 57                       | 5/3/2023        | 0.15 J          | 3.1             | 0.64                    | 12                        | 15.9 J                | 180                  | 200                   | 4.5 J                 | 384.5 J     | 13 J             |
|                               | 65                       | 5/3/2023        | 0.22 J          | 0.4             | 0.037 J                 | 0.51 J                    | 1.17 J                | 46                   | 7.3                   | <2.2                  | 53          | 7.1 J            |
| SB-05                         | 27                       | 5/4/2023        | <0.00076        | <0.0011         | <0.00069                | <0.0021                   | <0.0021               | <3.1                 | 4.6 J                 | 5.6                   | 10 J        | 73               |
|                               | 57                       | 5/4/2023        | 0.76            | 9.9             | 0.91                    | 13                        | 24.6                  | 150                  | 48                    | <2.2                  | 198         | 8.7 J            |
|                               | 60                       | 5/4/2023        | 0.048 J         | 0.71            | 0.14 J                  | 2.5                       | 3.4 J                 | 66                   | 370                   | 18                    | 454         | 5.7 J            |
| SB-06                         | 18                       | 5/5/2023        | <0.00076        | <0.0011         | <0.0007                 | <0.0022                   | <0.0022               | <2.7                 | <2.2                  | <2.2                  | <2.7        | 7.0 J            |
|                               | 30                       | 5/5/2023        | <0.00077        | <0.0011         | <0.0007                 | <0.0022                   | <0.0022               | <2.7                 | <2.2                  | <2.2                  | <2.7        | 19 J             |
|                               | 58                       | 5/5/2023        | <0.036          | 0.37            | <0.033                  | 0.38 J                    | 0.75 J                | 4.1 J                | <2.0                  | <2.0                  | 4 J         | 2.8 J            |
|                               | 69                       | 5/6/2023        | 0.1 J           | <0.059          | 0.058 J                 | 1.6                       | 1.76 J                | 47                   | 240                   | 36                    | 323         | 6.3 J            |

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Summary of Soil Analytical Results  
Blanco Gas Plant - North Flare Pit, Bloomfield, New Mexico

| Location                      | Sample Depth (ft bgs) | Date (mm/dd/yy) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes, Total (mg/kg) | Total BTEX (mg/kg) | GRO C6-10 (mg/kg) | DRO C10-28 (mg/kg) | ORO C28-35 (mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
|-------------------------------|-----------------------|-----------------|-----------------|-----------------|----------------------|------------------------|--------------------|-------------------|--------------------|--------------------|-------------|------------------|
| NMOCD Criteria <sup>a</sup> : |                       |                 | 10              | NE              | NE                   | NE                     | 50 <sup>b</sup>    | NE                | NE                 | NE                 | 100         | 600              |
| SB-07                         | 19                    | 5/5/2023        | <0.00068        | <0.0010         | <0.00061             | <0.0019                | <0.0019            | <2.5              | <2.0               | <2.0               | <2.5        | 17 J             |
|                               | 29                    | 5/5/2023        | <0.00072        | <0.0011         | <0.00066             | <0.0020                | <0.0020            | <2.5              | 2.9 J              | <2.1               | 3 J         | 39               |
|                               | 42                    | 5/5/2023        | <0.00071        | <0.0011         | <0.00064             | <0.0020                | <0.0020            | 3.5 J             | 17                 | 6.9                | 27 J        | 42               |
|                               | 51                    | 5/5/2023        | <0.00069        | <0.0010         | <0.00063             | <0.0020                | <0.0020            | <2.5              | 8.6                | 3.2 J              | 12 J        | 15 J             |
|                               | 61                    | 5/5/2023        | 0.83            | 13              | 3.7                  | 53                     | 70.5               | 2200              | 250                | 20                 | 2470        | 5.6 J            |
| SB-08/MP-4                    | 16                    | 5/4/2023        | <0.00067        | <0.00099        | <0.00061             | <0.0019                | <0.0019            | <2.5              | <2.0               | <2.0               | <2.5        | 4.0 J            |
|                               | 30                    | 5/4/2023        | <0.00072        | <0.0011         | <0.00066             | <0.0020                | <0.0020            | 2.8 J             | <2.1               | <2.1               | 3 J         | 15 J             |
|                               | 37                    | 5/4/2023        | <0.00072        | <0.0011         | 0.0038 J             | 0.035                  | 0.04 J             | 8.6               | 620                | 360                | 988.6       | 7.2 J            |
|                               | 44                    | 5/4/2023        | <0.0041         | <0.0061         | 0.18 J               | 2.8                    | 2.98 J             | 310               | 510                | 75                 | 895.0       | 77               |
|                               | 55                    | 5/4/2023        | <0.085          | 0.28 J          | 2                    | 13                     | 15.3 J             | 1100              | 1300               | 220                | 2620        | 11 J             |
| SB-09/MP-6                    | 25                    | 7/15/2024       | <0.00071        | <0.0011         | <0.00065             | 0.0020 J               | 0.0020 J           | 2.7 J             | 12                 | 7.6                | 22.3 J      | 65               |
|                               | 34                    | 7/15/2024       | <0.046          | <0.068          | <0.042               | 2.9                    | 2.9                | 440               | 1000               | 28 J               | 1468 J      | 3.3 J            |
|                               | 38                    | 7/15/2024       | 27              | 290             | 40                   | 430                    | 787                | 17000             | 10000              | 160                | 27160       | 40               |
|                               | 44                    | 7/15/2024       | 5.8             | 30              | 18                   | 220                    | 273.8              | 6900              | 1500               | 73                 | 8473        | 28               |
| SB-10                         | 25                    | 7/16/2024       | <0.00077        | <0.0011         | <0.00070             | <0.0022                | <0.0022            | 5.2 J             | 41                 | 8.8                | 55          | 6.2 J            |
|                               | 30                    | 7/16/2024       | <0.041          | <0.061          | 0.070 J              | 0.20 J                 | 0.27 J             | 190               | 89                 | 15                 | 294         | 24               |
|                               | 39                    | 7/16/2024       | 2.9             | 12              | 1.6                  | 21                     | 37.5               | 450               | 180                | 16                 | 646         | 27               |
|                               | 42                    | 7/16/2024       | 0.37            | 2.8             | 0.36                 | 4.8                    | 8.33               | 70                | 210                | 15                 | 295         | 19 J             |
| TW-2                          | 31-33.5               | 7/20/2021       | 0.029 J         | 0.36            | 0.77                 | 6.2                    | 7.36 J             | NA                | NA                 | NA                 | NA          | NA               |
|                               | 37.5-40               | 7/20/2021       | 0.0019          | 0.007           | 0.025                | 0.12                   | 0.15               | NA                | NA                 | NA                 | NA          | NA               |
| TW-3                          | 44-46                 | 7/18/2021       | 0.0009 J        | 0.0007 J        | 0.0065               | 0.022                  | 0.03 J             | NA                | NA                 | NA                 | NA          | NA               |
|                               | 48-50                 | 7/18/2021       | 0.025 J         | 0.14            | 0.62                 | 3.5                    | 4.29 J             | NA                | NA                 | NA                 | NA          | NA               |
| TW-4                          | 44-46                 | 7/16/2021       | 1.5             | 2.7             | 1.4                  | 27                     | 32.6               | NA                | NA                 | NA                 | NA          | NA               |
|                               | 66-68.5               | 7/16/2021       | 0.55            | 2.1             | 1.2                  | 19                     | 22.9               | NA                | NA                 | NA                 | NA          | NA               |

Notes:

<sup>a</sup> Calculated following Section IV.A.2.b. of the NMOCD Guidelines for Remediation of Leaks, Spills and Releases, August 13, 1993. The depth to groundwater at the site is less than 50 feet, which generates a Total Ranking Score of 20 which indicates the required and listed Remediation Action Levels.

<sup>b</sup> Calculated following Section IV.A.2.b. of the NMOCD Guidelines for Remediation of Leaks, Spills, and Releases, August 13, 1993. The recommended Remediation Action Level is for a summation of all BTEX components.

Bolded text indicates a detected concentration.

Highlighted cells and bolded text indicates the concentration exceeded the NMOCD Recommended Action Level.

< = Analyte was not detected above the method detection limit.

\*- = LCS and/or LCSD is outside acceptance limits, low biased.

NA = Not analyzed.

BTEX = Benzene, toluene, ethylbenzene, total xylenes.

DRO = Diesel range organics.

F1 = MS and/or MSD recovery exceeds control limits.

F2 = MS/MSD RPD exceeds control limits.

ft bgs = Feet below ground surface.

GRO = Gasoline range organics.

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

B = Compound was found in the blank and sample.

mg/kg = Milligrams per kilogram.

NE = Not established.

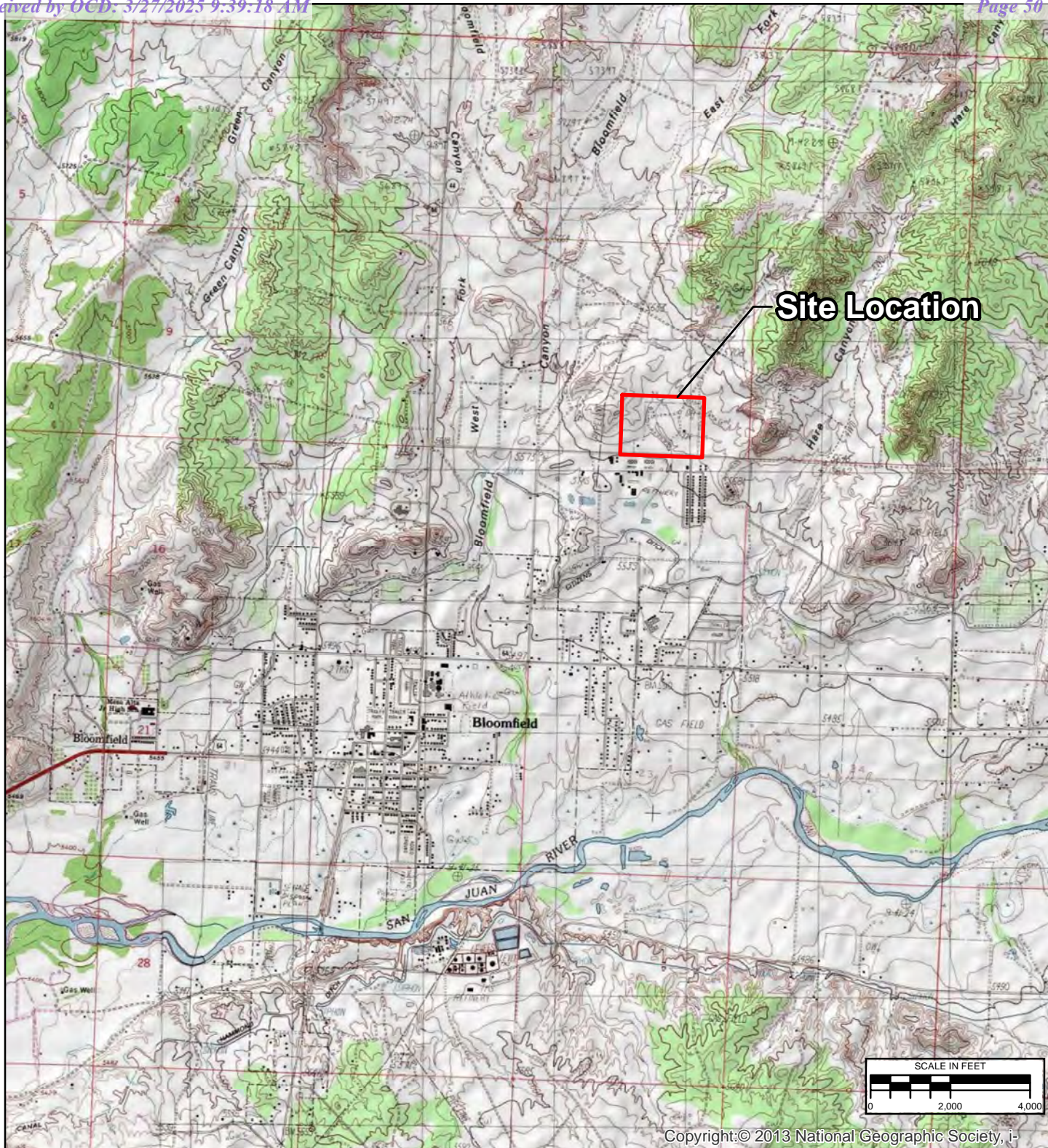
NMOCD = New Mexico Oil Conservation Division.

ORO = Oil range organics.

TPH = Total petroleum hydrocarbons. The concentration is calculated by adding the detectable concentrations of GRO, DRO, and ORO and rounding to the nearest mg/kg.

# FIGURES





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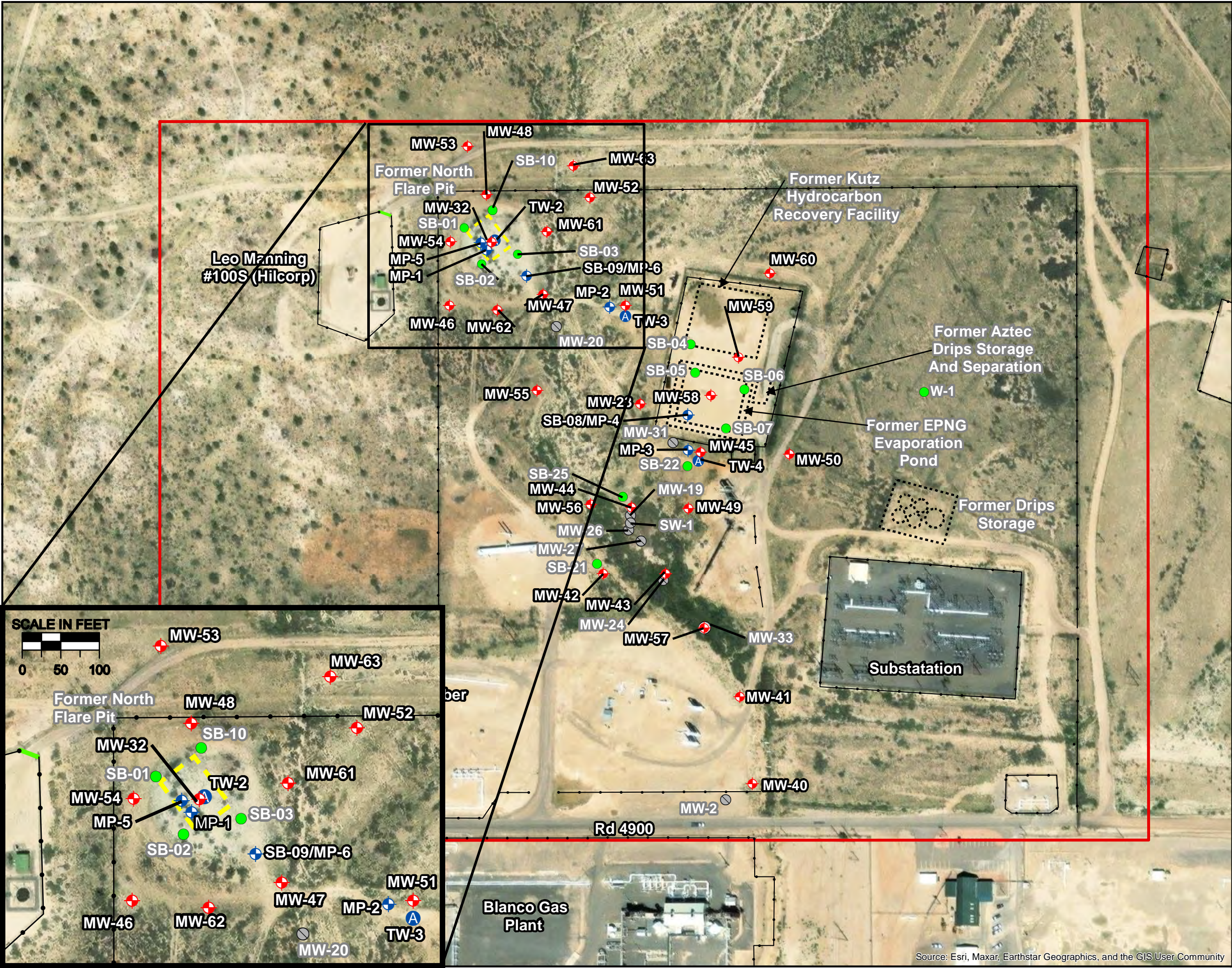
National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA,

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

|   |                    |   |
|---|--------------------|---|
| TITLE<br><b>SITE LOCATION</b>                                       |                    |  |
| PROJECT<br><b>BLANCO NORTH FLARE PIT<br/>BLOOMFIELD, NEW MEXICO</b> | FIGURE<br><b>1</b> |   |

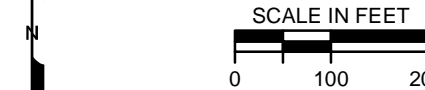


\\cd1001-c200\ICTX-CIFSS\WD\Redirect\shansen\Desktop\GIS-NEW\MXDs\BLANCO NORTH FLARE PIT\2024\Figure\_2\_BNFP\_Site\_Map\_2024\_V2.mxd



## 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 |
|----------|------------|-----------|----------|-------------|
|          | 2025-02-21 | SAH       | SAH      | SBV         |

TITLE:

*SITE PLAN*

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



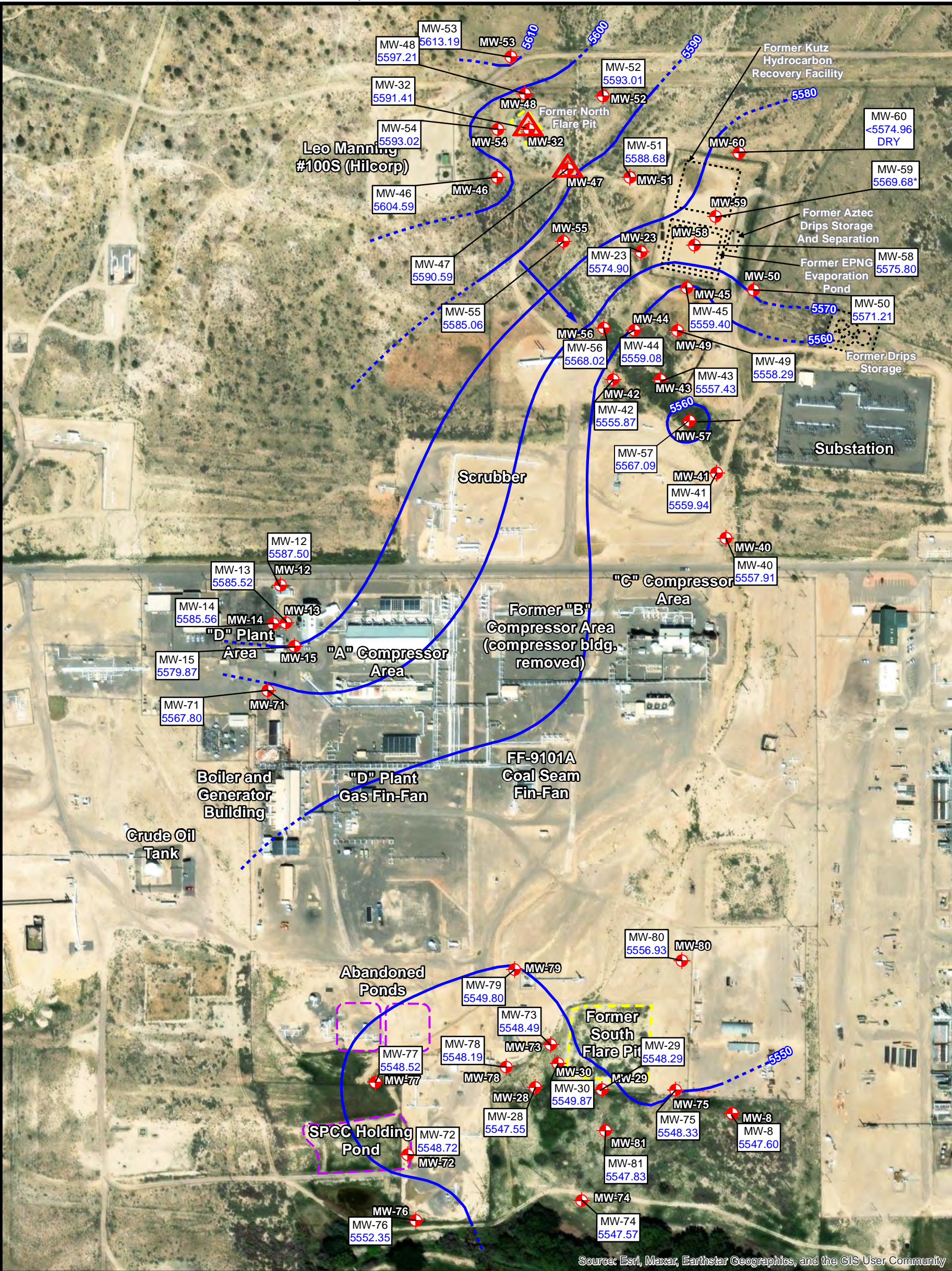
Figure No.:

2

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



\\cd1001-c2001CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\MXDs\BLANCO NORTH FLARE PIT\2024\Figure\_3\_Blanco\_GECM\_1SA\_V2.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
- NOT USED FOR CONTOURING

NOTE:  
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID  
DRY = NO MEASURABLE WATER DETECTED;  
ELEVATION OF BOTTOM OF GAUGED WELL PROVIDED

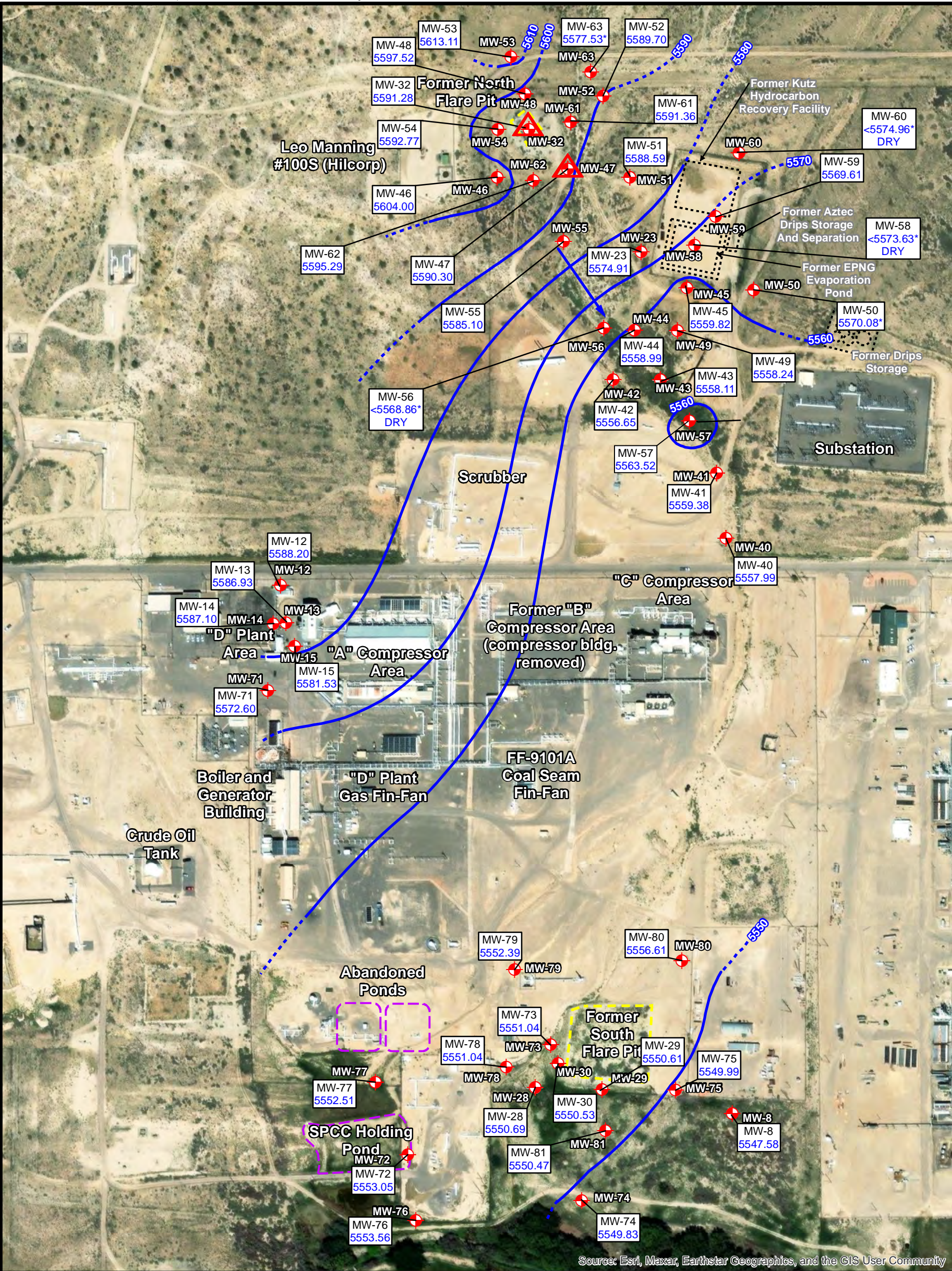


| REVISION | DATE       | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
|          | 2025-02-11 | SAH       | SAH      | SRV         |

|   |                         |
|---|-------------------------|
| TITLE:<br><i>GROUNDWATER ELEVATION MAP<br/>MAY 18, 2024</i> |                         |
| PROJECT:<br><i>BLANCO PLANT<br/>BLOOMFIELD, NEW MEXICO</i>  |                         |
|   | Figure No.:<br><b>3</b> |





\\cd1001-c2001CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\MXDs\BLANCO NORTH FLARE PIT\2024\Figure\_4\_Blanco\_GECM\_2SA.mxd






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


LEGEND


-  MONITORING WELL


 MONITORING WELL WITH MEASUREABLE LNAPL

 SITE FEATURE

 FLARE PIT
-  5549.99

 5570



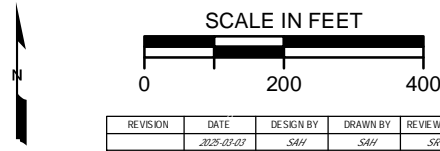

- GROUNDWATER ELEVATION CORRECTED FOR PRODUCT THICKNESS WHERE PRESENT (FEET ABOVE MEAN SEA LEVEL).


CORRECTED WATER LEVEL ELEVATION CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL).

DIRECTION OF APPARENT GROUNDWATER FLOW

NOT USED FOR CONTOURING

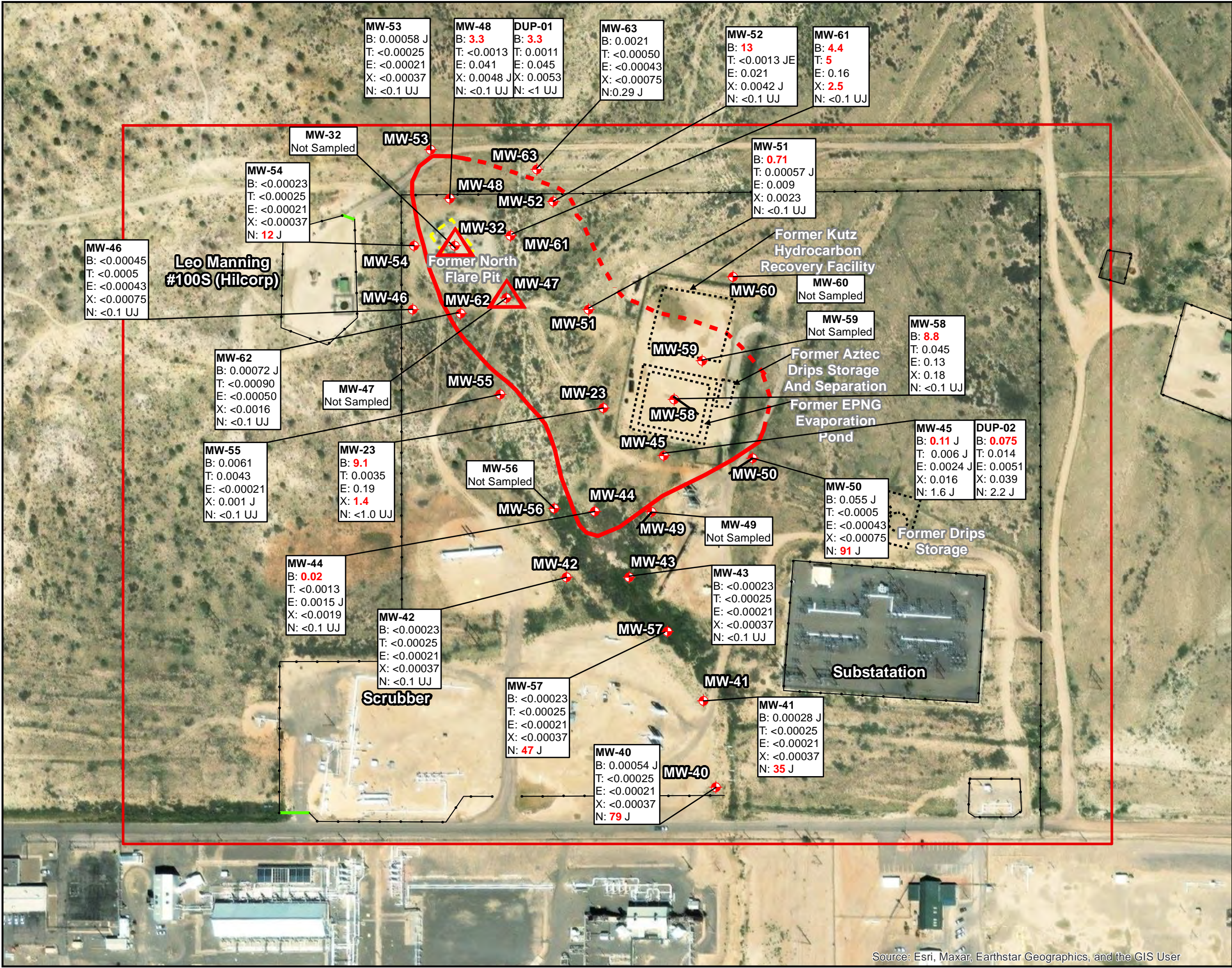
**NOTE:**  
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID  
DRY = NO MEASURABLE WATER DETECTED;  
ELEVATION OF BOTTOM OF GAUGED WELL PROVIDED



|   |                         |
|---|-------------------------|
| TITLE:<br><i>GROUNDWATER ELEVATION MAP<br/>NOVEMBER 4, 2024</i>                       |                         |
| PROJECT:<br><i>BLANCO PLANT<br/>BLOOMFIELD, NEW MEXICO</i>                            |                         |
|  | Figure No.:<br><b>4</b> |



\\cd1001-c200ICTX-CIFSS\WD\Redirect\shansen\Desktop\GIS-NEW\MXDs\BLANCO NORTH FLARE PIT\2024\Figure\_5\_BNFP\_BTEXN\_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 = RESULT IS LESS THAN THE RL BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE.  
UJ = THE ANALYTE WAS ANALYZED FOR, BUT NOT DETECTED. DUE TO A QUALITY CONTROL DEFICIENCY IDENTIFIED DURING DATA VALIDATION THE VALUE REPORTED MAY NOT ACCURATELY REFLECT THE SAMPLE  
DUP-XX = DUPLICATE SAMPLE RESULT

| ANALYTE           | NMWQCC 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          |



| REVISION | DATE       | DESIGN BY | DRAWN BY | REVIEWED BY |
|----------|------------|-----------|----------|-------------|
|          | 2025-02-11 | SAH       | SAH      | SAH         |

TITLE:  
*GROUNDWATER ANALYTICAL RESULTS  
NOVEMBER 6, 2024*

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

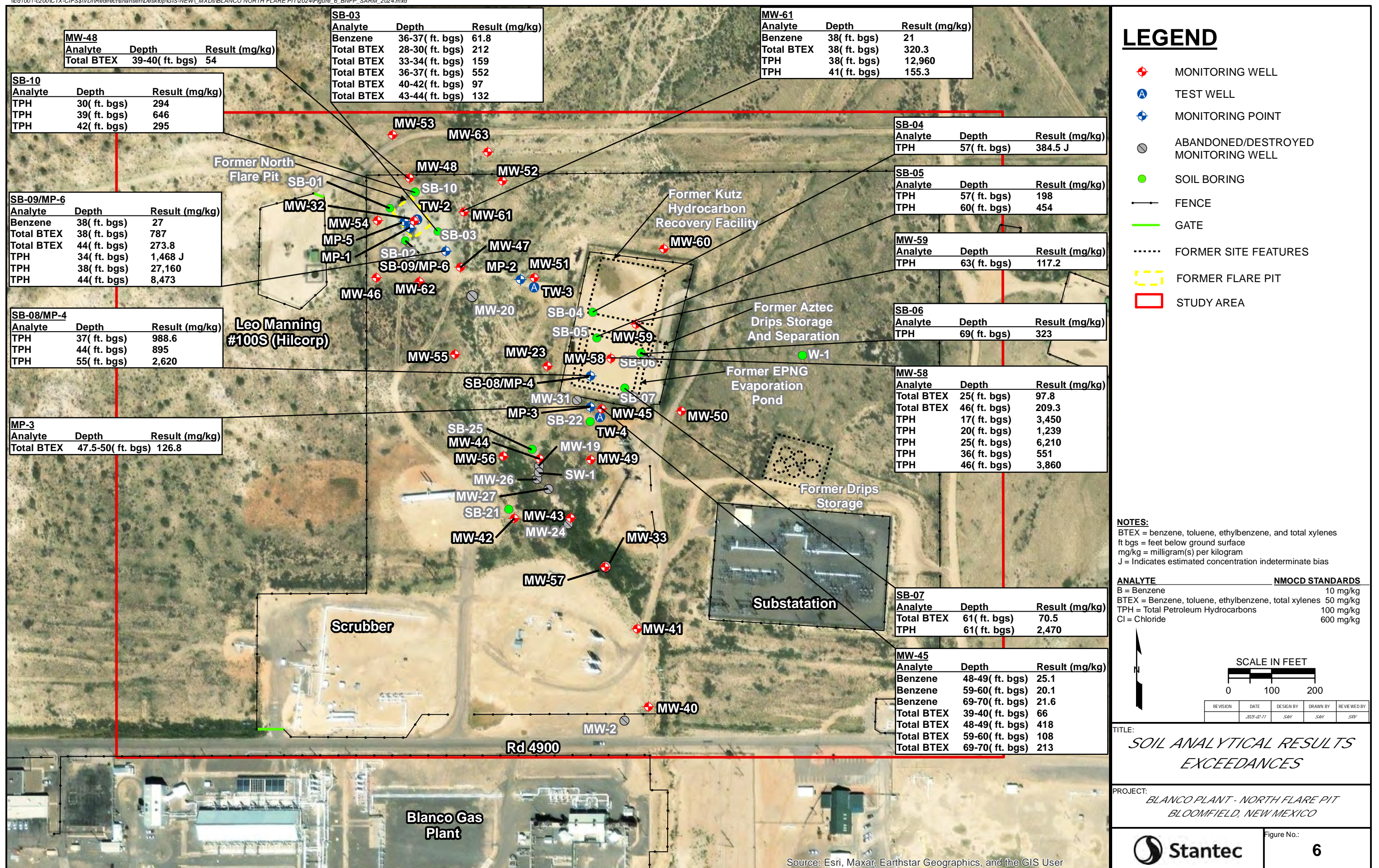


Figure No.:  
**5**

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



\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\ MXDs\BLANCO NORTH FLARE PIT\2024\Figure 6 BNFP SARM 2024.mxd





# APPENDICES

# APPENDIX A

NMOCD Site Activity Notifications

**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)  
**To:** [Varsa, Steve](#)  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 324478  
**Date:** Tuesday, March 19, 2024 2:14:28 AM

---

To whom it may concern (c/o Stephen Varsa for El Paso Natural Gas Company, L.L.C),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAUTOfCS000155.

The sampling event is expected to take place:

**When:** 03/26/2024 @ 00:00

**Where:** C-14-29N-11W 0 FNL 0 FEL (36.7301901,-107.9654201)

**Additional Information:** Sean Clary - 918-980-0281. Quarterly LNAPL recovery event. No sampling for laboratory analysis planned.

**Additional Instructions:** North of 81 Rd 4900, Bloomfield, NM

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505

**Caution:** This email originated from outside of Stantec. Please take extra precaution.

**Attention:** Ce courriel provient de l'extérieur de Stantec. Veuillez prendre des précautions supplémentaires.

**Atención:** Este correo electrónico proviene de fuera de Stantec. Por favor, tome precauciones adicionales.

**From:** [Varsa, Steve](#)  
**To:** [OCD.ENVIRO@EMNRD.NM.GOV](mailto:OCD.ENVIRO@EMNRD.NM.GOV)  
**Cc:** [Wiley, Joe](#)  
**Subject:** Blanco North Flare Pit (Incident Number NAUTOFCS000155) - Notice of upcoming field activities  
**Date:** Thursday, May 9, 2024 5:08:13 PM

---

On behalf of El Paso CGP Company (EPCGP), this correspondence is to provide notice to the NMOCD of upcoming product recovery activities at the above-referenced project site. These activities are to occur on May 18, 2024.

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](mailto:steve.varsa@stantec.com)

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**From:** [Varsa, Steve](#)  
**To:** [OCD.ENVIRO@EMNRD.NM.GOV](mailto:OCD.ENVIRO@EMNRD.NM.GOV)  
**Cc:** [Buchanan, Michael, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Wiley, Joe](#)  
**Subject:** Blanco North Flare Pit (nAUTOFCS000155) - notification of upcoming field activities  
**Date:** Wednesday, July 3, 2024 7:29:04 AM

---

To whom it may concern –

Monitoring well installation activities at the subject site are to begin July 9, 2024, pursuant to the work plan submitted on the e-permitting portal. Please feel free to contact Joe Wiley, Remediation Manager for El Paso, or me if you have any 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](mailto:steve.varsa@stantec.com)

**From:** [Varsa, Steve](#)  
**To:** [OCD.ENVIRO@EMNRD.NM.GOV](mailto:OCD.ENVIRO@EMNRD.NM.GOV)  
**Cc:** [Buchanan, Michael, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Wiley, Joe](#)  
**Subject:** Blanco North Flare Pit (nAUTOFCS000155) - notification of upcoming field activities  
**Date:** Wednesday, August 14, 2024 9:07:14 PM

---

On behalf of El Paso CGP Company (EPCGP), this correspondence is to provide notice of upcoming soil vapor extraction testing (SVE) activities to begin on August 21, 2024 and conclude on August 23, 2024. The SVE testing is to be conducted in accordance to the SVE testing work plan submitted on the e-permitting portal on July 1, 2024. Please contact Joe Wiley, Remediation Manager with EPCGP, or me if you have any 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](mailto:steve.varsa@stantec.com)

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**From:** [Varsa, Steve](#)  
**To:** [OCD.ENVIRO@EMNRD.NM.GOV](mailto:OCD.ENVIRO@EMNRD.NM.GOV)  
**Cc:** [Buchanan, Michael, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Wiley, Joe](#)  
**Subject:** FW: Blanco North Flare Pit (nAUTOFCS000155) - notification of upcoming field activities  
**Date:** Wednesday, October 23, 2024 12:04:00 AM

---

On behalf of El Paso, Stantec is providing notification that one monitoring well in the work plan reference below, MW-63, was not completed in July, and instead will be completed beginning next Tuesday, October 29, 2024.

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](mailto:steve.varsa@stantec.com)

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---

**From:** Varsa, Steve <[steve.varsa@stantec.com](mailto:steve.varsa@stantec.com)>  
**Sent:** Wednesday, July 3, 2024 7:29 AM  
**To:** [OCD.ENVIRO@EMNRD.NM.GOV](mailto:OCD.ENVIRO@EMNRD.NM.GOV)  
**Cc:** [Buchanan, Michael, EMNRD](#) <[Michael.Buchanan@emnrd.nm.gov](mailto:Michael.Buchanan@emnrd.nm.gov)>; [Bratcher, Michael, EMNRD](#) <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>; [Wiley, Joe](#) <[joe\\_wiley@kindermorgan.com](mailto:joe_wiley@kindermorgan.com)>  
**Subject:** Blanco North Flare Pit (nAUTOFCS000155) - notification of upcoming field activities

To whom it may concern –

Monitoring well installation activities at the subject site are to begin July 9, 2024, pursuant to the work plan submitted on the e-permitting portal. Please feel free to contact Joe Wiley, Remediation Manager for El Paso, or me if you have any 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](mailto:steve.varsa@stantec.com)

**From:** [Varsa, Steve](#)  
**To:** [OCD.ENVIRO@EMNRD.NM.GOV](mailto:OCD.ENVIRO@EMNRD.NM.GOV)  
**Cc:** [Buchanan, Michael, EMNRD](#); [Bratcher, Michael, EMNRD](#); [Wiley, Joe](#)  
**Subject:** Blanco North Flare Pit (Incident Number NAUTOFCS000155) - Notice of upcoming field activities  
**Date:** Monday, October 28, 2024 11:24:14 AM

---

On behalf of El Paso CGP Company (EPCGP), this correspondence is to provide notice to the NMOCD of upcoming product recovery activities at the above-referenced project site. These activities are to occur on November 4 and 6, 2024.

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](mailto:steve.varsa@stantec.com)

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# APPENDIX B

Disposal Documentation



**envirotech**

## Bill of Lading

MANIFEST #84351

GENERATOR El Paso

POINT OF ORIGIN Blanco Gas Plant N Flare

TRANSPORTER Envirotech

Pit

DATE 03/29/24 JOB # 14073-0090

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

[illegible]

Generator Onsite Contact

Phone

ENTERED APR 02 2024

*Signatures required prior to distribution of the legal document.*

DISTRIBUTION:

**White - Company Records / Billing**

Yellow - Customer

Pink - LF Copy

BOL# 84351

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 03/29/24 TIME 1000 Attach test strip hereCUSTOMER EL PASOSITE Blanco Gas Plant N Flare PitDRIVER Austin FoutsSAMPLE Soil Straight            With Dirt XCHLORIDE TEST 241 mg/KgACCEPTED YES X NO           PAINT FILTER TEST Time started 1000 Time completed 1012PASS YES X NO           SAMPLER/ANALYST Craig Robinson





# Bill of Lading

GENERATOR EL PASO

POINT OF ORIGIN Blanco N. Flare Pit

TRANSPORTER EnviroTech

DATE 05/21/24 JOB # 14073-0090

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

|             |                   |          |   |       |
|-------------|-------------------|----------|---|-------|
| RESULTS     |                   |          | LANDFARM<br>EMPLOYEE<br><br><i>Gary Robinson</i>  | NOTES |
| <i>434</i>  | CHLORIDE TEST     | <i>1</i> |   |       |
|             | CHLORIDE TEST     |          | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Receival <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out   |       |
|             | CHLORIDE TEST     |          | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |       |
| <i>Pass</i> | PAINT FILTER TEST | <i>1</i> |   |       |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

*Signatures required prior to distribution of the legal document.*

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BOL#

85182

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE

05/21/24

TIME

Attach test strip here

CUSTOMER

EL PASO

SITE

Blanco N Flare Pit

DRIVER

[Signature]

SAMPLE

Soil

Straight

With Dirt

X

CHLORIDE TEST

434

mg/Kg

ACCEPTED

YES

X

NO

PAINT FILTER TEST

Time started

0945

Time completed

0959

PASS

YES

[Signature]

NO

SAMPLER/ANALYST

[Signature]





BOL# 85984

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 2/9/2024 TIME 1705

Attach test strip here

CUSTOMER Kinder MorganSITE Blanco North Flare PitDRIVER Ray JonesSAMPLE Soil Straight ☒ With Dirt ☐CHLORIDE TEST -274 mg/KgACCEPTED YES ☒ NO ☐PAINT FILTER TEST Time started 1705 Time completed 1715PASS YES ☒ NO ☐SAMPLER/ANALYST [Signature]





# envirotech

## Bill of Lading

MANIFEST # **86199**GENERATOR EL PasoPOINT OF ORIGIN Blanco North FlareTRANSPORTER Envirotech pitDATE 07/18/24 JOB # 14073-0093

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

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |              |      |               |              |              | TRANSPORTING COMPANY |      |      |                    |
|----------|----------------------------------|--------------|------|---------------|--------------|--------------|----------------------|------|------|--------------------|
|          | DESTINATION                      | MATERIAL     | GRID | YDS           | BBLS         | DRUMS        | TKT#                 | TRK# | TIME | DRIVER SIGNATURE   |
| 1        | BR                               | cont liquid  |      |               | <del>3</del> | 3            |                      | 1005 | 1050 | <i>[Signature]</i> |
| 2        | LF2                              | Drilling mud | 04   | 14            | -            | -            |                      | 1005 | 1210 | <i>[Signature]</i> |
|          |                                  |              |      | <del>14</del> |              | <del>3</del> |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |
|          |                                  |              |      |               |              |              |                      |      |      |                    |

|         |                   |   |   |       |
|---------|-------------------|---|---|-------|
| RESULTS |                   |   | LANDFARM<br>EMPLOYEE<br><i>[Signature]</i>  | NOTES |
| -274    | CHLORIDE TEST     | 1 |   |       |
| -274    | CHLORIDE TEST     | 1 | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out   |       |
|         | CHLORIDE TEST     |   | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |       |
| Pass    | PAINT FILTER TEST | 2 |   |       |

Generator Onsite Contact \_\_\_\_\_ Phone **ENTERED JUL 24 2024**

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BOL# 86199

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 07/18/24 TIME 1050

Attach test strip here

CUSTOMER EL Paso NorthSITE Blanco Flare pitDRIVER [Signature]SAMPLE Soil Straight        With Dirt XCHLORIDE TEST -274 mg/KgACCEPTED YES X NO       PAINT FILTER TEST Time started 1050 Time completed 1100PASS YES X NO       SAMPLER/ANALYST [Signature]

BOL# 86199

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 07/18/24 TIME 1210 Attach test strip hereCUSTOMER El PasoSITE Blanco North Flare PitDRIVER [Signature]SAMPLE Soil ☒ Straight ☒ With Dirt ☐CHLORIDE TEST 279 mg/KgACCEPTED YES ☒ NO ☐PAINT FILTER TEST Time started 1210 Time completed 1222PASS YES ☒ NO ☐SAMPLER/ANALYST [Signature]





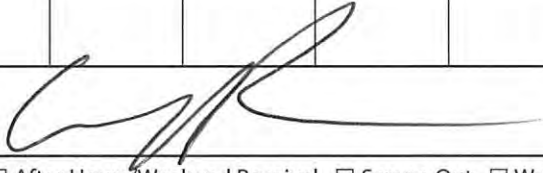
**envirotech**

# Bill of Lading

MANIFEST # **87187**  
 GENERATOR **EL PASO**  
 POINT OF ORIGIN **Blanco Flare Pit**  
 TRANSPORTER **envirotech**  
 DATE **8-30-24** JOB # **14073-0095 0090**

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

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |               |      |     |      |       | TRANSPORTING COMPANY |      |      |                  |
|----------|----------------------------------|---------------|------|-----|------|-------|----------------------|------|------|------------------|
|          | DESTINATION                      | MATERIAL      | GRID | YDS | BBLS | DRUMS | TKT#                 | TRK# | TIME | DRIVER SIGNATURE |
| 1        | BF                               | #100K Bottoms |      |     | 1    |       |                      | 998  | 1500 | by Gary          |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |
|          |                                  |               |      |     |      |       |                      |      |      |                  |

|   |  |   |   |
|---|--|---|---|
| RESULTS   |  | LANDFARM EMPLOYEE<br>   | NOTES<br>Can't Liquid<br>also see Bol # 87101 |
| CHLORIDE TEST   |  |   |   |
| CHLORIDE TEST   |  |   |   |
| CHLORIDE TEST   |  |   |   |
| PAINT FILTER TEST   |  | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out |   |
| By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |  |   |   |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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## Bill of Lading

GENERATOR El Paso  
POINT OF ORIGIN Blanco N. Flare  
TRANSPORTER E Tech  
DATE 10/01/24 JOB # 14073-0097

[illegible]

|             |                   |          |   |                         |
|-------------|-------------------|----------|---|-------------------------|
| RESULTS     |                   |          | LANDFARM<br>EMPLOYEE<br><i>Gary Robinson</i>  | NOTES<br><i>Box 384</i> |
| <i>-276</i> | CHLORIDE TEST     | <i>1</i> |   |                         |
|             | CHLORIDE TEST     |          | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out   |                         |
|             | CHLORIDE TEST     |          | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |                         |
| <i>Pass</i> | PAINT FILTER TEST | <i>1</i> |   |                         |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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BOL# 88190

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/01/24 TIME 0950

Attach test strip here

CUSTOMER EL PASO

SITE Blanco North Flare Pit

DRIVER D. J. A.

SAMPLE Soil Straight ✓ With Dirt X

CHLORIDE TEST 276 mg/Kg

ACCEPTED YES ✓ NO       

PAINT FILTER TEST Time started 0950 Time completed 1000

PASS YES ✓ NO       

SAMPLER/ANALYST C. J. A.







**envirotech**

# Bill of Lading

MANIFEST # 88105

GENERATOR EL PASO


POINT OF ORIGIN Blasco Gas Plant

TRANSPORTER Kiley

DATE 10/28/24 JOB # 14073-0097

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

[illegible]

|         |                   |   |   |   |                               |
|---------|-------------------|---|---|---|-------------------------------|
| RESULTS |                   |   | LANDFARM<br>EMPLOYEE  |  | NOTES<br>From North Flare Pit |
| -276    | CHLORIDE TEST     | 1 |   |   |                               |
|         | CHLORIDE TEST     |   | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out   |   |                               |
|         | CHLORIDE TEST     |   | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |   |                               |
| Pass    | PAINT FILTER TEST | 1 |   |   |                               |

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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**White - Company Records / Billing**

**Yellow - Customer**

Pink - LF Copy

BOL# 88105

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 10/28/24 TIME 1510 Attach test strip hereCUSTOMER EL PASOSITE Blanco gas Plant N. Flare PitDRIVER Roger J. JaraSAMPLE Soil \_\_\_\_\_ Straight \_\_\_\_\_ With Dirt XCHLORIDE TEST -276 mg/KgACCEPTED YES X NO \_\_\_\_\_PAINT FILTER TEST Time started 1510 Time completed 1520PASS YES X NO \_\_\_\_\_SAMPLER/ANALYST C. J. Jara

# Bill of Lading

MANIFEST # 88126

GENERATOR FLPASO  
POINT OF ORIGIN Blanco Gas Plant  
TRANSPORTER Riley  
DATE 10/29/24 JOB# 14073-00967

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

[illegible]

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_

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BOL# 88126

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 10/29/24 TIME 1040 Attach test strip hereCUSTOMER EL PasoSITE Blanco Cos Plant N. Flare PitDRIVER Rogger Jma

SAMPLE

Soil \_\_\_\_\_ Straight \_\_\_\_\_ With Dirt X

CHLORIDE TEST

276 mg/Kg

ACCEPTED

YES X

NO \_\_\_\_\_

PAINT FILTER TEST

Time started

1040

Time completed

1052

PASS

YES X

NO \_\_\_\_\_

SAMPLER/ANALYST [Signature]





**envirotech**

## Bill of Lading

Envirotech Inv 66775 on 11/14/24  
MANIFEST # 88384  
GENERATOR EIPASO see list below  
POINT OF ORIGIN Rio Vista Comp Station  
TRANSPORTER E Tech  
DATE 11/15/24 JOB # 14073 - 0090

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

| LOAD NO. | COMPLETE DESCRIPTION OF SHIPMENT |                   |   |   |                   |       | TRANSPORTING COMPANY                                |      |       |                  |
|----------|----------------------------------|-------------------|---|---|-------------------|-------|---|------|-------|------------------|
|          | DESTINATION                      | MATERIAL          | GRID  | YDS   | BBLs              | DRUMS | TKT#  | TRK# | TIME  | DRIVER SIGNATURE |
| 1        | BF                               | Tank Bottoms      |   |   | 1<br><del>1</del> | -     |   | 998  | 11:00 | [Signature]      |
|          |                                  |                   |   |   |                   |       |   |      |       |                  |
|          |                                  |                   |   |   |                   |       |   |      |       |                  |
|          |                                  |                   |   |   |                   |       |   |      |       |                  |
|          |                                  |                   |   |   |                   |       | Point of Origin: Blanco Gas Plant - North Flare Pit |      |       |                  |
|          |                                  |                   |   |   |                   |       | Blanco Gas Plant - South Flare Pit                  |      |       |                  |
|          |                                  |                   |   |   |                   |       | San Juan River Gas Plant                            |      |       |                  |
|          |                                  |                   |   |   |                   |       | 14 NEW MEXICO PHS SITES                             |      |       |                  |
|          |                                  |                   |   |   |                   |       | - Johnston Federal #4      - Knight #1              |      |       |                  |
|          |                                  |                   |   |   |                   |       | - Johnston Federal #6A      - Lat L40               |      |       |                  |
|          |                                  |                   |   |   |                   |       | - Sandoval GC A#1A      - James F Bell #1E          |      |       |                  |
|          |                                  |                   |   |   |                   |       | - Canada Mesa #2      - GCU Corn A#142E             |      |       |                  |
|          |                                  |                   |   |   |                   |       | - K-27 LDO72      - Fields A #7A                    |      |       |                  |
|          |                                  |                   |   |   |                   |       | - Standard Oil Corn #1      - Fogelson 41           |      |       |                  |
|          |                                  |                   |   |   |                   |       | - Gallegos Canyon Unit #124E                        |      |       |                  |
|          |                                  |                   |   |   |                   |       | - State Gas Corn N#1                                |      |       |                  |
| RESULTS  |                                  | LANDFARM EMPLOYEE |   |   |                   |       | NOTES   |      |       |                  |
| 400      | CHLORIDE TEST                    | 1                 | [Signature]   | <input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out |                   |       | Kinder Morgan / EL Paso                             |      |       |                  |
|          | CHLORIDE TEST                    |                   |   |   |                   |       |   |      |       |                  |
|          | CHLORIDE TEST                    |                   |   |   |                   |       |   |      |       |                  |
| Pass     | PAINT FILTER TEST                | 1                 | By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly. |   |                   |       |   |      |       |                  |

| Generator Onsite Contact | Phone |
|--------------------------|-------|
|--------------------------|-------|

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BOL# 88384

## CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/15/24 TIME 11:00 Attach test strip hereCUSTOMER EL PASOSITE Rio vista Comp station <sup>SEE LIST</sup> <sup>PER</sup> See BOL for ListDRIVER [Signature]SAMPLE Soil Straight \_\_\_\_\_ With Dirt XCHLORIDE TEST 400 mg/KgACCEPTED YES X NO \_\_\_\_\_PAINT FILTER TEST Time started 11:00 Time completed 11:10PASS YES X NO \_\_\_\_\_SAMPLER/ANALYST [Signature]

# APPENDIX C

NMOSE Well Permitting Documentation





STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER  
AZTEC

Mike A. Hamman, P.E.  
State Engineer

100 Gossett Drive, Suite A  
Aztec, New Mexico 87410

June 21, 2024

El Paso CGP Company, LLC  
Attn: Joseph Wiley  
1001 Louisiana Street, Room 1445B  
Houston, TX 77002

**RE: Approval to Amend Pollution Extraction/Recovery Period and Expiration Date for Points of Diversion SJ-4254 POD22, POD28, and POD32-37, El Paso CGP Company, LLC, Blanco Gas Plant – North Flare Pit Site Investigation**

Dear Mr. Wiley:

On May 22, 2024, the New Mexico Office of the State Engineer (OSE) approved an application for a permit for the installation and temporary use of three new monitoring wells and two soil borings, the use of one existing monitoring well, and the use of two existing monitoring wells for pollution recovery at the above referenced location. On June 21, 2024, Stantec Consulting, on behalf of El Paso CGP Company, LLC, requested to amend the approved permit to correct the pollution extraction/recovery period and expiration date. The OSE approves to amend the pollution extraction/recovery period from July 1, 2024 through July 1, 2025 to July 1, 2024 through December 31, 2024. Additionally, the OSE approves to amend the expiration date from July 1, 2025 to December 31, 2024.

Please keep a copy of this letter with the original document. If you have any questions, please feel free to contact the Aztec District Office at (505) 383-4571.

Sincerely,

A handwritten signature in black ink, appearing to read "Ranee Deechilly".

Ranee Deechilly  
Water Rights Division – District V Office

Enclosures

cc: Aztec Reading (w/o enclosures)  
SJ-4254 File  
WATERS  
Stephen Varsa, Stantec Consulting Services, via email



STATE OF NEW MEXICO  
OFFICE OF THE STATE ENGINEER  
AZTEC

Mike A. Hamman, P.E.  
State Engineer

100 Gossett Drive, Suite A  
Aztec, New Mexico 87410

June 27, 2024

El Paso CGP Company, LLC  
Attn: Joseph Wiley  
1001 Louisiana Street, Room 1445B  
Houston, TX 77002

**RE: Permit Approval for Monitoring Well, SJ-4254 POD38, El Paso CGP Company, LLC,  
Blanco Gas Plant – North Flare Pit Site Investigation**

Dear Mr. Wiley:

On June 21, 2024, the New Mexico Office of the State Engineer (NMOSE) received an application for a permit to install one new monitoring well for use related to site investigation activities at the above referenced location. Enclosed is one original of the above numbered permit that has been approved subject to the conditions set forth on the approval page and in the attached Conditions of Approval. Also enclosed is a receipt for the fees paid.

Additionally, a standardized plugging method has also been included in the Conditions of Approval for the future abandonment of the monitoring well covered by this permit. This eliminates the need to submit a separate Well Plugging Plan of Operations for approval by the NMOSE prior to plugging, unless an alternate plugging method is proposed, required by a separate oversight agency, necessary due to incompatibility with actual conditions, or artesian conditions are encountered. Well completion and plugging records should be sent to the NMOSE District V, 100 Gossett Drive, Suite A, Aztec, NM, 87410.

If you have any questions regarding this permitting action, contact the OSE at (505) 383-4571.

Sincerely,

A handwritten signature in black ink, appearing to read "Rane Deechilly".

Ranee Deechilly  
Water Rights Division – District V Office

Enclosures

cc: Aztec Reading (w/o enclosures)  
SJ-4254 File  
WATERS  
Stephen Varsa, Stantec Consulting Services, via email

File No. SJ-4254 POD38



## NEW MEXICO OFFICE OF THE STATE ENGINEER

## WR-07 APPLICATION FOR PERMIT TO DRILL

## A WELL WITH NO WATER RIGHT

(check applicable boxes):

For fees, see State Engineer website: <http://www.ose.state.nm.us/>

|  |  |  |
|--|--|--|
| Purpose:   | <input type="checkbox"/> Pollution Control And/Or Recovery         | <input type="checkbox"/> Ground Source Heat Pump |
| <input type="checkbox"/> Exploratory Well*(Pump test)  | <input type="checkbox"/> Construction Site/Public Works Dewatering | <input type="checkbox"/> Other(Describe):        |
| <input checked="" type="checkbox"/> Monitoring Well  | <input type="checkbox"/> Mine Dewatering                           |  |
| A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.  |  |  |
| *New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.             |  |  |
| <input type="checkbox"/> Check here if the borehole is anything other than vertical (directional boring or angle boring) and include a schematic of your design. |  |  |
| <input checked="" type="checkbox"/> Temporary Request - Requested Start Date: July 1, 2024   |  | Requested End Date: December 31, 2024            |
| Plugging Plan of Operations Submitted? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  |  |

Note: if there is known artesian conditions, contamination or high mineral content at the drilling location, include the borehole log or a well log from an existing well at that location. If this information is not submitted, check box and attach form WD-09 to this form. ☐

## 1. APPLICANT(S)

|   |   |
|---|---|
| Name:<br>El Paso CGP Company, LLC   | Name:   |
| Contact or Agent: check here if Agent <input type="checkbox"/><br>Joseph Wiley                                | Contact or Agent: check here if Agent <input type="checkbox"/>                      |
| Mailing Address:<br>1001 Louisiana Street, Room 1445B   | Mailing Address:  |
| City:<br>Houston  | City:   |
| State: Texas Zip Code: 77002  | State: Zip Code:  |
| Phone: (713) 420-3475 <input type="checkbox"/> Home <input checked="" type="checkbox"/> Cell<br>Phone (Work): | Phone: <input type="checkbox"/> Home <input type="checkbox"/> Cell<br>Phone (Work): |
| E-mail (optional):<br>joe_wiley@kindermorgan.com  | E-mail (optional):  |

STATE ENGINEER OFFICE  
AZTEC, NEW MEXICO  
2024 JUN 21 AM 10 48

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 02/29/2024

|                               |                             |                     |
|-------------------------------|-----------------------------|---------------------|
| File No.: SJ-4254 POD38       | Trn. No.:                   | Receipt No.: 5-7537 |
| Trans Description (optional): |                             |                     |
| Sub-Basin:                    | PCW/LOG Due Date: 6-27-2025 |                     |

Page 1 of 3



**2. WELL(S)** Describe the well(s) applicable to this application.

**Location Required:** Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).

District II (Roswell), District V (Aztec) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)

☐ UTM (NAD83) (Meters)

☒ Lat/Long (WGS84) (to the nearest 1/10<sup>th</sup> of second)

☐ NM West Zone

☐ Zone 12N

☐ NM East Zone

☐ Zone 13N

☐ NM Central Zone

| Well Number (if known):                     | X or Easting or Longitude: | Y or Northing or Latitude: | Provide if known:<br>-Public Land Survey System (PLSS)<br>(Quarters or Halves, Section, Township, Range) OR<br>- Hydrographic Survey Map & Tract; OR<br>- Lot, Block & Subdivision; OR<br>- Land Grant Name |
|---|----------------------------|----------------------------|---|
| SJ-4254 POD38<br>MP-5 ( <del>POD-37</del> ) | -107.960384                | 36.736280                  | SW/4, SE/4, Sec 11, T29N, R11W, San Juan County, NM   |
|   |                            |                            |   |
|   |                            |                            |   |
|   |                            |                            |   |
|   |                            |                            |   |

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)

Additional well descriptions are attached: ☐ Yes ☒ No If yes, how many \_\_\_\_\_

Other description relating well to common landmarks, streets, or other:

SJ-4254 (Blanco Gas Plant). The site is located north of 81 County Road 4900, San Juan County, NM

Well is on land owned by: United States Bureau of Land Management (BLM)

**Well Information:** NOTE: If more than one (1) well needs to be described, provide attachment. Attached? ☐ Yes ☒ No  
If yes, how many \_\_\_\_\_

Approximate depth of well (feet): 65

Outside diameter of well casing (inches): 2

Driller Name: Cascade Drilling

Driller License Number: WD-1664

**3. ADDITIONAL STATEMENTS OR EXPLANATIONS**

The purpose of this application is for the permitting of one new monitoring well/point (MP-5). The site is being investigated for historical hydrocarbon release. The monitoring well/point will be plugged and abandoned according to State of New Mexico regulations once it is no longer needed and/or a no further action determination has been granted by the New Mexico Oil Conservation Division.

2024 JUN 21 AM 10 47

STATE ENGINEER OFFICE  
AZTEC, NEW MEXICO

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 02/29/2024

File No.: SJ-4254 POD38

Trn No.:

**4. SPECIFIC REQUIREMENTS:** The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

|   |   |  |   |
|---|---|--|---|
| <p><b>Exploratory*:</b><br/>Is proposed well a future public water supply well?<br/><input type="checkbox"/> Yes <input type="checkbox"/> NO<br/>If Yes, an application must be filed with NMED-DWB, concurrently.<br/><input type="checkbox"/> Include a description of any proposed pump test, if applicable.</p> <p><b>Monitoring*:</b><br/><input checked="" type="checkbox"/> Include the reason for the monitoring well, and,<br/><input checked="" type="checkbox"/> The duration of the planned monitoring.</p> | <p><b>Pollution Control and/or Recovery:</b><br/><input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following:<br/><input type="checkbox"/> A description of the need for the pollution control or recovery operation.<br/><input type="checkbox"/> The estimated maximum period of time for completion of the operation.<br/><input type="checkbox"/> The annual diversion amount.<br/><input type="checkbox"/> The annual consumptive use amount.<br/><input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation.<br/><input type="checkbox"/> The method and place of discharge.<br/><input type="checkbox"/> The method of measurement of water produced and discharged.<br/><input type="checkbox"/> The source of water to be injected.<br/><input type="checkbox"/> The method of measurement of water injected.<br/><input type="checkbox"/> The characteristics of the aquifer.<br/><input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system.<br/><input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department.<br/><input type="checkbox"/> An access agreement if the applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.</p> | <p><b>Construction De-Watering:</b><br/><input type="checkbox"/> Include a description of the proposed dewatering operation,<br/><input type="checkbox"/> The estimated duration of the operation,<br/><input type="checkbox"/> The maximum amount of water to be diverted,<br/><input type="checkbox"/> A description of the need for the dewatering operation, and,<br/><input type="checkbox"/> A description of how the diverted water will be disposed of.</p> <p><b>Ground Source Heat Pump:</b><br/><input type="checkbox"/> Include a description of the geothermal heat exchange project,<br/><input type="checkbox"/> The number of boreholes for the completed project and required depths.<br/><input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and,<br/><input type="checkbox"/> The duration of the project.<br/><input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.</p> | <p><b>Mine De-Watering:</b><br/><input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following:<br/><input type="checkbox"/> A description of the need for mine dewatering.<br/><input type="checkbox"/> The estimated maximum period of time for completion of the operation.<br/><input type="checkbox"/> The source(s) of the water to be diverted.<br/><input type="checkbox"/> The geohydrologic characteristics of the aquifer(s).<br/><input type="checkbox"/> The maximum amount of water to be diverted per annum.<br/><input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation.<br/><input type="checkbox"/> The quality of the water.<br/><input type="checkbox"/> The method of measurement of water diverted.<br/><input type="checkbox"/> The recharge of water to the aquifer.<br/><input type="checkbox"/> Description of the estimated area of hydrologic effect of the project.<br/><input type="checkbox"/> The method and place of discharge.<br/><input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project.<br/><input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights.<br/><input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.</p> |
|---|---|--|---|

(\* if exploration or monitoring drilling activity is required by NMED, then you must also submit the NMED Work Plan)

### ACKNOWLEDGEMENT

I, We (name of applicant(s)), Joseph Wiley

Print Name(s)

affirm that the foregoing statements are true to the best of (my,our) knowledge and belief.

Joseph Wiley

Applicant Signature

Applicant Signature

### ACTION OF THE STATE ENGINEER

This application is:

☒ approved ☐ partially approved ☐ denied

provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare and further subject to the attached conditions of approval.

Witness my hand and seal this 27 day of June 20 24, for the State Engineer,

Mike A. Hamman, P.E., State Engineer

By: [Signature]  
Signature

Ranee Deechilly  
Print

Title: Water Resources Professional II  
Print

FOR USE INTERNAL USE

Application for Permit, Form WR-07 Version 02/29/2024

File No.: SJ-4254 POD38

Trn No.:

**NMOSE Permit to Drill a Well(s) With No Water Right - Conditions of Approval**  
**Conditions of Approval**  
**SJ-4254 POD38**

The New Mexico Office of the State Engineer (NMOSE) has determined that existing water rights will not be impaired by this activity. This application is approved without publication provided it is not exercised to the detriment of any others having existing rights and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state. This application approval (i.e., permit) is further subject to the following conditions of approval.

1. This application is approved as follows:

Permittee(s): El Paso CGP Company, LLC  
 Attn: Joseph Wiley  
 1001 Louisiana Street, Room 1445B  
 Houston, TX 77002

Permit Number: SJ-4254

Application File Date: June 21, 2024

Priority: N/A

Source: Groundwater

Point(s) of Diversion: SJ-4254 POD38 consists of one proposed groundwater monitoring well that is intended for temporary use to conduct groundwater sampling and site assessment activities. The well is located on land owned by United States Bureau of Land Management, San Juan County, New Mexico, within the SW/4 SE/4 of Section 11, Township 29 North, Range 11 West, NMPM, associated with the Blanco Gas Plant – North Flare Pit site investigation, at the following approximate point locations (State Plane NM West, NAD83; feet).

Table 1: New Monitoring Well

| POD Number and<br>Owner's Well Name | Casing:<br>Inside Diameter (inches)<br>and Depth (feet) |    | Longitude<br>(decimal degrees) | Latitude<br>(decimal degrees) |
|-------------------------------------|---|----|--------------------------------|-------------------------------|
|                                     |   |    |                                |                               |
| SJ-4254 POD38 (MP-5)                | 2   | 65 | 107.960384 W                   | 36.736280 N                   |

Purpose of Use: Groundwater monitoring

Place of Use: N/A

Amount of Water: N/A

2. No water shall be appropriated and beneficially used from any wells or borings approved under this permit.
3. No water shall be diverted from the well(s) except for initial well development and periodic sampling purposes. Upon completion of monitoring activities, the well(s) shall be plugged in accordance with Subsection C of 19.27.4.30 NMAC, unless a permit to use water is acquired from the NMOSE.



NMOSE Permit to Drill a Well(s) With No Water Right  
 Conditions of Approval  
 SJ-4254 POD38

Page 2 of 5

June 27, 2024

4. The well(s) may continue to be used indefinitely for groundwater sampling or monitoring required for the current site investigation and any associated remediation, so long as they remain in good repair. **A new permit shall be obtained from the NMOSE prior to replacing a well(s) or for any change in use as approved herein.**
5. Water well drilling and well drilling activities, including well plugging, are regulated under NMOSE Regulations 19.27.4 NMAC. These regulations apply and provide both general and specific direction regarding the drilling of wells in New Mexico. Note that the construction of any well that allows groundwater to flow uncontrolled to the land surface or to move appreciably between geologic units is prohibited.
6. In accordance with Subsection A of 19.27.4.29 NMAC, on-site supervision of well drilling/plugging is required by the holder of a New Mexico Well Driller License or a NMOSE-registered Drill Rig Supervisor. The New Mexico licensed Well Driller shall ensure that well drilling activities are completed in accordance with 19.27.4.29, 19.27.4.30 and 19.27.4.31 NMAC. However, pursuant to 72-12-12 NMSA 1978 and 19.27.4.8 NMAC, a driller's license is not required for the construction of a driven well with an outside casing diameter of 2¾ inches or less and that does not require the use of a drill rig (e.g., auger) for installation. This exemption is not applicable to well plugging.
7. The permittee has not stated whether artesian conditions are likely to be encountered at the proposed well/borehole location(s). However, if artesian conditions are encountered during drilling, all rules and regulations pertaining to the drilling and casing and plugging of artesian wells shall be followed.
8. A Well Record documenting the as-built well construction and materials used shall be filed for each of the new wells in accordance with Subsection N of 19.27.4.29 NMAC. **Well Records shall be filed with the State Engineer (NMOSE District V, 100 Gossett Drive, Suite A, Aztec, NM, 87410) within 30 days after completion of the well(s).** Well installation(s) shall be complete and the well record(s) filed no later than one year from the date of approval of this permit. The well record form is available at <https://www.ose.nm.gov/Statewide/wdForms.php>.
9. If the required Well Record documentation is not received within one year of the date of permit approval, this permit will automatically expire.
10. When the permittee receives approval or direction to permanently abandon the well(s)/borehole(s) covered by this permit, plugging shall be performed by a New Mexico licensed well driller. The well(s)/borehole(s) shall be plugged pursuant to Subsection C of 19.27.4.30 NMAC using the following method, unless an alternate plugging method has been proposed by or on behalf of the well owner and approved by the NMOSE. If a well/borehole has encountered artesian conditions, a Well Plugging Plan of Operations shall be submitted and NMOSE approval obtained *prior* to the initiation of *any* well plugging activities concerning artesian wells. Additionally, if the following standardized plugging sealant is not appropriate for use due to incompatibility with the water quality or any soil and water contaminants encountered, a Well Plugging Plan of Operations shall be submitted and NMOSE approval obtained *prior* to the initiation of *any* well plugging activities.
  - a. Obstructions in a well/borehole shall be identified and removed if possible. If an obstruction cannot be removed, the method used to grout below and around the obstruction shall be described in detail in the plugging record.

NMOSE Permit to Drill a Well(s) With No Water Right  
Conditions of Approval  
SJ-4254 POD38

Page 3 of 5

June 27, 2024

- b. Prior to plugging, calculate the theoretical volume of sealant needed for abandonment of the well/borehole based on the actual measured pluggable depth of the well/borehole and the volume factor for the casing/borehole diameter. Compare the actual volume of sealant placed in the well/borehole with the theoretical volume to verify the actual volume of sealant is equal to or exceeds the theoretical volume.
- c. Portland Type I/II cement shall be used for the plugging sealant. The water mixed with the cement to create the plugging sealant shall be potable water or of similar quality. Portland cement has a fundamental water demand of 5.2 gallons of water per 94-lb sack of cement. Up to a maximum of 6.0 gallons per 94-lb sack is acceptable to allow for greater pumpability.

Pure bentonite powder ("90 barrel yield") is allowed as a cement additive by NMOSE and American Water Works Association (AWWA) guidelines. If a bentonite additive is used, the following rates and mixing guidelines shall be followed. For a rate or a mixing procedure other than that provided below, the NMOSE District V office must be contacted for pre-approval. Neither granular bentonite nor extended-yield bentonite shall be mixed with cement for the purpose of this plugging activity. When supplementing a cement slurry with bentonite powder, water demand for the mix increases at a rate of approximately 0.65 gallon of water for each 1% increment of bentonite bdwc (by dry weight cement) above the stated base water demand of 5.2 gallons water per 94-lb sack of cement for neat cement. Bentonite powder must be hydrated separately with its required increment of water before being mixed into the wet neat cement. If water is otherwise added to the combination of dry ingredients or the dry bentonite is blended into wet cement, the alkalinity of the cement will restrict the yield of the bentonite powder, resulting in excess free water in the slurry and excessive cement shrinkage upon curing.

- d. Placement of the sealant within the well/borehole shall be by pumping through a tremie pipe extended to near the bottom of the well/borehole and kept below the top of the slurry column (i.e., immersed in the slurry) as the well/borehole is plugged from bottom upwards in a manner that displaces the standing water column.
- e. Prior to, or upon completion of plugging, the well casing may be cut-off below grade as necessary to allow for approved construction onsite, provided a minimum six-inch thickness of reinforced abandonment plugging sealant or concrete completely covers the top of the cut-off casing. Any remaining void to the surface may be filled with native soil, concrete, or asphalt as needed to match the surrounding surface material and blended with the surface topography to prevent ponding.
- f. **Within 30 days after completion of well/borehole plugging, a complete Plugging Record shall be filed with the State Engineer** in accordance with Paragraph (3) of Subsection C of 19.27.4.30 NMAC for each well/boring plugged. The Well Plugging Record(s) shall be filed with the State Engineer at the NMOSE District V Office, 100 Gossett Drive, Suite A, Aztec, NM 87410. The well plugging record form is available at <https://www.ose.nm.gov/Statewide/wdForms.php>.

- 11. In accordance with Subsection C of 19.27.4.30 NMAC, a well/borehole that does not encounter groundwater may be immediately plugged by filling with drill cuttings or clean native fill to within 10 feet of land surface and by plugging the remaining 10 feet to the land surface with a sealant approved by the Office of the State Engineer. A Plugging Record shall be filed with the State Engineer as described above.

NMOSE Permit to Drill a Well(s) With No Water Right  
Conditions of Approval  
SJ-4254 POD38

Page 4 of 5


June 27, 2024

12. Should another regulatory agency sharing jurisdiction of the project authorize, or by regulation require, more stringent requirements than stated herein, the more stringent procedure should be followed. These, among others, may include provisions regarding pre-authorization to proceed, type of methods and materials used, inspection, or prohibition of free discharge of any fluid or other material to or from the well that is related to the drilling and/or monitoring process.
13. Pursuant to 72-12-3 NMSA 1978, the applicant may or may not have provided written documentation which the applicant claims as confirmation that access has been granted for the aforementioned well(s) to be located on property owned by someone other than the well owner/applicant. NMOSE approval of this permit in no way infers the right of access to land not owned by the well owner/applicant.
14. The State Engineer retains jurisdiction of this permit.

The application for Permit to Drill a Well(s) With No Water Right for well(s) SJ-4254 POD38, submitted on June 21, 2024, is hereby approved with the aforesaid conditions applied, when signed by an authorized designee of the State Engineer:

Witness my hand and seal this 27<sup>th</sup> day of June, A.D. 2024.  
Mike A. Hamman, P.E., State Engineer

By:

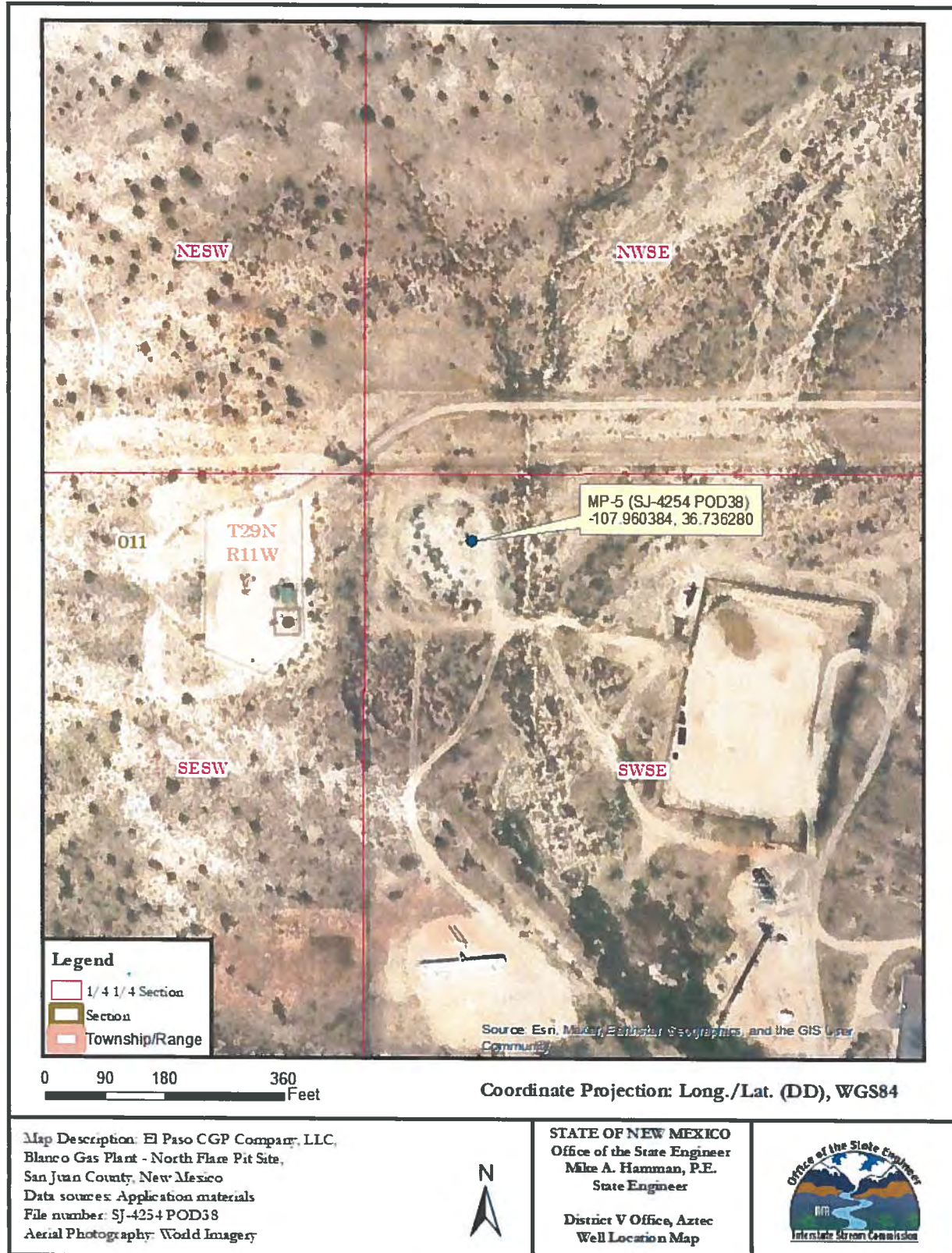
  
\_\_\_\_\_  
Ranee Deechilly  
District V Office, Water Rights Division



NMOSE Permit to Drill a Well(s) With No Water Right  
Conditions of Approval  
SJ-4254 POD38

Page 5 of 5

June 27, 2024



# OFFICE OF THE STATE ENGINEER/INTERSTATE STREAM COMMISSION – AZTEC OFFICE

OFFICIAL RECEIPT NUMBER: 5 - **7537** DATE: 4/21/24 FILE NO.: SJ-4254  
 TOTAL: 5.00 RECEIVED: Five dollars and 00/100 DOLLARS ☐ CASH: ☒ CHECK NO.: 1103  
 PAYOR: Stantec/Malcomson ADDRESS: 11311 Aurora Ave  
 CITY: Des Moines STATE: IA ZIP: 50322 RECEIVED BY: RD

INSTRUCTIONS: Indicate the number of actions to the left of the appropriate type of filing. Complete the receipt information. **Original** to payor; **pink** copy to Program Support/ASD; **yellow** copy remains in district office; and **goldenrod** copy to accompany application being filed. If a mistake is made, void the original and all copies and submit to Program Support/ASD as part of the daily deposit.

## A. Ground Water Filing Fees

- |   |   |           |
|---|---|-----------|
| <input type="checkbox"/> 1.             | Change of Ownership of Water Right  | \$ 2.00   |
| <input type="checkbox"/> 2.             | Application to Appropriate or Supplement Domestic 72-12-1 Well  | \$ 125.00 |
| <input type="checkbox"/> 3.             | Application to Repair or Deepen 72-12-1 Well  | \$ 75.00  |
| <input type="checkbox"/> 4.             | Application for Replacement 72-12-1 Well  | \$ 75.00  |
| <input type="checkbox"/> 5.             | Application to Change Purpose of Use 72-12-1 Well   | \$ 75.00  |
| <input type="checkbox"/> 6.             | Application for Stock Well/Temp. Use  | \$ 5.00   |
| <hr/>                                   |   |           |
| <input type="checkbox"/> 7.             | Application to Appropriate Irrigation, Municipal, or Commercial Use   | \$ 25.00  |
| <input type="checkbox"/> 8.             | Declaration of Water Right  | \$ 1.00   |
| <input type="checkbox"/> 9.             | Application for Supplemental Non 72-12-1 Well   | \$ 25.00  |
| <input type="checkbox"/> 10.            | Application to Change Place or Purpose of Use Non 72-12-1 Well  | \$ 25.00  |
| <input type="checkbox"/> 11.            | Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Ground Water | \$ 50.00  |
| <input type="checkbox"/> 12.            | Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Ground Water  | \$ 50.00  |
| <input type="checkbox"/> 13.            | Application to Change Point of Diversion of Non 72-12-1 Well  | \$ 25.00  |
| <input type="checkbox"/> 14.            | Application to Repair or Deepen Non 72-12-1 Well  | \$ 5.00   |
| <hr/>                                   |   |           |
| <input checked="" type="checkbox"/> 15. | Application for Test, Expl. Observ. Well  | \$ 5.00   |
| <input type="checkbox"/> 16.            | Application for Extension of Time   | \$ 25.00  |
| <input type="checkbox"/> 17.            | Proof of Application to Beneficial Use  | \$ 25.00  |
| <input type="checkbox"/> 18.            | Notice of Intent to Appropriate   | \$ 25.00  |

## B. Surface Water Filing Fees

- |                              |  |           |
|------------------------------|--|-----------|
| <input type="checkbox"/> 1.  | Change of Ownership of a Water Right   | \$ 5.00   |
| <input type="checkbox"/> 2.  | Declaration of Water Right   | \$ 10.00  |
| <input type="checkbox"/> 3.  | Amended Declaration  | \$ 25.00  |
| <input type="checkbox"/> 4.  | Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Surface Water | \$ 200.00 |
| <input type="checkbox"/> 5.  | Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Surface Water  | \$ 200.00 |
| <input type="checkbox"/> 6.  | Application to Change Point of Diversion   | \$ 100.00 |
| <input type="checkbox"/> 7.  | Application to Change Place and/or Purpose of Use  | \$ 100.00 |
| <input type="checkbox"/> 8.  | Application to Appropriate   | \$ 25.00  |
| <input type="checkbox"/> 9.  | Notice of Intent to Appropriate  | \$ 25.00  |
| <input type="checkbox"/> 10. | Application for Extension of Time  | \$ 50.00  |
| <input type="checkbox"/> 11. | Supplemental Well to a Surface Right   | \$ 100.00 |
| <input type="checkbox"/> 12. | Return Flow Credit   | \$ 100.00 |
| <input type="checkbox"/> 13. | Proof of Completion of Works   | \$ 25.00  |
| <input type="checkbox"/> 14. | Proof of Application of Water to Beneficial Use  | \$ 25.00  |
| <input type="checkbox"/> 15. | Water Development Plan   | \$ 100.00 |
| <input type="checkbox"/> 16. | Declaration of Livestock Water Impoundment   | \$ 10.00  |
| <input type="checkbox"/> 17. | Application for Livestock Water Impoundment  | \$ 10.00  |

## C. Well Driller Fees

- |                             |   |          |
|-----------------------------|---|----------|
| <input type="checkbox"/> 1. | Application for Well Driller's License            | \$ 50.00 |
| <input type="checkbox"/> 2. | Application for Renewal of Well Driller's License | \$ 50.00 |

## D. Reproduction of Documents

- |                          |            |          |
|--------------------------|------------|----------|
| <input type="checkbox"/> | @ 25¢/copy | \$ _____ |
| <input type="checkbox"/> | Map(s)     | \$ _____ |

## E. Certification

## F. \*Credit Card Convenience Fee

## G. Other

## Comments:

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**All fees are non-refundable.**

# APPENDIX D

Monitoring Well and Soil Boring Logs



## Drilling Log

Monitoring Well **MP-5**

Page: 1 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP Company

Location Bloomfield, New Mexico Project Number 193710670

Surface Elev. NA North NA East NA

Top of Casing 1.00 ft Water Level Initial ▽ Static ▽ -66.12 07/16/24 00:00

Hole Depth 65.3ft Screen: Diameter 2 in Length 25.0 ft Type/Size SCH 40 PVC/0.01 in

Hole Diameter 6.0 in Casing: Diameter 2 in Length 42.1 ft Type SCH 40 PVC

Drill Co. Cascade Drilling Method Sonic Sand Pack Gillibrand 20/40

Driller Greg Smith Driller Reg. # WD-1664 Log By Scott Stanley

Start Date 7/9/2024 Completion Date 7/15/2024 Checked By S. Varsa

## COMMENTS

\*Sample submitted to lab.

Bentonite Grout Bentonite Granulars Grout Portland Cement Sand Pack Sand Pack

| Depth (ft) | PID (ppm)                         | Graphic Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.   | Well Completion |
|------------|-----------------------------------|-------------|------|--|-----------------|
| 0          |                                   |             |      | 0-10' hydro-vacuumed, 7/9/2024.  |                 |
| 5          |                                   |             |      |  |                 |
| 10         | 0.0<br>0.0<br>0.0<br>0.0<br>2.8   | 0%<br>      | SM   | Sand, silty, brown (7.5YR 5/2), loose to medium dense, dry, fine-grained, weakly cemented, crumbly, no odor.   |                 |
| 15         | 0.1<br>0.5<br>0.0<br>0.0          | 0%<br>      | SM   | No recovery.<br>Sand, silty, brown (7.5YR 4/2), loose to medium dense, dry, fine-grained, weakly cemented, crumbly, no odor.   |                 |
| 20         | 1.2<br>0.0<br>0.0<br>0.0          | 0%<br>      | SM   | No recovery.<br>Sand, silty, pale brown (10YR 6/3), loose to medium dense, dry, fine-grained, weakly cemented, crumbly, no odor.   |                 |
| 25         | 0.0<br>15.4<br>18.2<br>0.8<br>0.5 | 0%<br>      | SM   | No recovery.<br>Sand, silty, grayish-brown (10YR 5/2 grading to 2.5Y 5/2), loose to medium dense, dry to trace water beads, fine-grained, very weakly cemented, crumbly, no odor. *MP-5 @ 30'. |                 |
| 30         |                                   | 0%          |      | No recovery.   |                 |

Continued Next Page





## Drilling Log

Monitoring Well **MP-5**

Page: 2 of 2

Project *Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area)* Owner *El Paso CGP Company*

Location *Bloomfield, New Mexico*

Project Number 193710670

| Depth<br>(ft) | PID<br>(ppm) |      | Graphic<br>Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.   | Well<br>Completion |
|---------------|--------------|------|----------------|------|--|--------------------|
| 30            | 6.8*         |      |                |      | <i>Continued</i>   |                    |
| 0.0           |              |      |                | ML   | Silt, sandy (fine-grained), light brownish-gray (2.5Y 6/2), hard, dry to trace water beads, very weakly to not cemented, no odor, crumbly, non-plastic.  |                    |
| 3.2           | 100%         |      |                |      |  |                    |
| 0.7           | 0%           |      |                |      | No recovery  |                    |
|               |              |      |                | ML   | Silt, with little sand (fine-grained), grayish-brown (2.5Y 5/2), hard, dry to trace water beads, trace to little 1 mm laminations, not cemented, no odor, crumbly, non-plastic.                          |                    |
| 35            | 0.4          | 100% |                |      | No recovery.   |                    |
| 0.0           | 0%           |      |                |      | Silt, with little sand (fine-grained), grayish-brown (2.5Y 5/2), hard, dry to trace water beads, trace to little 1 mm laminations, not cemented, no odor, non-plastic.                                   |                    |
| 0.0           | 0%           |      |                |      | No recovery.   |                    |
| 2.1           | 100%         |      |                |      | Silt, trace fine-grained sand, light brownish-gray (2.5Y 6/2), hard, non-plastic, dry to trace water beads, little 1 mm laminations, not cemented, no odor.  |                    |
| 0.2           | 0%           |      |                | ML   | No recovery.   |                    |
| 0.0           | 100%         |      |                |      | Silt, trace fine-grained sand, light brownish-gray (2.5Y 6/2), hard, non-plastic, dry to trace water beads, little 1 mm laminations, not cemented, no odor.  |                    |
| 40            | 0.0          | 0%   |                | ML   | No recovery.   |                    |
| 0.9           | 100%         |      |                | ML   | Silt, very dark gray (2.5Y 3/1), very hard, dry to trace water beads, not cemented, no odor, non-plastic.  |                    |
| 0.8           | 0%           |      |                |      | Silt, trace fine-grained sand, gray (Gley1 6/N), hard, dry to trace water beads, not cemented, no odor, non-plastic.   |                    |
| 0.1           |              |      |                |      | No recovery.   |                    |
| 0.3           | 100%         |      |                | ML   | Sandstone, dark gray (Gley1 4/N), weak, moderately soft, trace water beads, moderately weathered, fine-grained, subrounded, no odor.   |                    |
| 1.1           | 0%           |      |                |      | Silt, trace fine-grained sand, grayish-brown (2.5Y 5/2) with streaks of olive-yellow (2.5Y 6/6), hard, trace water beads, not cemented, no odor, non-plastic.  |                    |
| 1.9           | 100%         |      |                |      | No recovery.   |                    |
| 45            | 136.8*       |      |                |      | Silt, trace fine-grained sand, grayish-brown (2.5Y 5/2) with streaks of olive-yellow (2.5Y 6/6), hard, trace water beads, not cemented, no odor, non-plastic.  |                    |
| 2.8           | 100%         |      |                |      | No recovery.   |                    |
| 0.0           | 100%         |      |                |      | Shale, very dark gray (2.5Y 3/1), strong, moderately hard, little water beads, very thinly-bedded to massive, slightly weathered, not cemented, slight odor to 47.5' then no odor to 48.5'. *MP-5 @ 46'. |                    |
| 12.4          | 100%         |      |                |      | Sandstone, silty, gray (Gley1 6/N), moderately strong, trace water beads, slightly weathered, subrounded, no odor.   |                    |
| 0.9           | 100%         |      |                |      | Shale, very dark gray (2.5Y 3/1), weak, moderately soft, little water beads, massive to thinly-bedded becoming very thinly-bedded with depth, moderately weathered, not cemented, no odor. *MP-5 @ 50'.  |                    |
| 50            | 70.3*        | 100% |                |      | Shale, very dark gray (2.5Y 3/1), weak, moderately soft, trace water beads, massive to very thinly bedded, moderately weathered, no odor.  |                    |
| 18.2          | 100%         |      |                |      | Shale, very dark gray (2.5Y 3/1), trace water beads, massive to very thinly-bedded, moderately weathered, no odor.   |                    |
| 1.4           | 100%         |      |                |      | Sandstone, dark gray (Gley1 4/N), hard, water beads, cross-bedded to 57', moderately weathered, fine-grained, subrounded, no odor.   |                    |
| 0.0           | 100%         |      |                |      | No recovery.   |                    |
| 0.0           | 0%           |      |                |      | Sandstone, dark gray (Gley1 4/N), hard, water beads, cross-bedded to 57', moderately weathered, fine-grained, subrounded, no odor.   |                    |
| 55            | 0.4          | 100% |                |      | Shale, very dark gray (2.5Y 3/1), trace water beads, massive to very thinly-bedded, moderately weathered, no odor.   |                    |
| 31.2          | 100%         |      |                |      | Interbedded sandstone and shale, beds 0.3' to 0.6' thick, water beads in sandstone, trace water beads in shale.  |                    |
| 0.1           | 100%         |      |                |      |  |                    |
| 0.0           | 100%         |      |                |      |  |                    |
| 0.0           | 0%           |      |                |      |  |                    |
| 60            | 0.5          | 0%   |                |      |  |                    |
| 0.0           | 100%         |      |                |      |  |                    |
| 0.0           | 100%         |      |                |      |  |                    |
| 65            | 0.0          | 100% |                |      |  |                    |
| 0.0           |              |      |                |      |  |                    |
| 70            |              |      |                |      | End of boring = 65.3'. Well set at 65.3'.  |                    |



## Drilling Log

Monitoring Well

SB-09/MP-6

Page: 1 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP Company  
 Location Bloomfield, New Mexico Project Number 193710670  
 Surface Elev. NA North NA East NA  
 Top of Casing 1.00 ft Water Level Initial ▽ Static ▽  
 Hole Depth 60.5ft Screen: Diameter 2 in Length 25.0 ft Type/Size SCH 40 PVC/0.01 in  
 Hole Diameter 6.0 in Casing: Diameter 2 in Length 35.0 ft Type SCH 40 PVC  
 Drill Co. Cascade Drilling Method Sonic Sand Pack Gillibrand 20/40  
 Driller Greg Smith Driller Reg. # WD-1664 Log By Emma Brady  
 Start Date 7/9/2024 Completion Date 7/16/2024 Checked By S. Varsa

## COMMENTS

\*Sample submitted to lab.

Bentonite Grout
 Bentonite Granulars
 Grout
 Portland Cement
 Sand Pack
 Sand Pack

| Depth<br>(ft) | PID<br>(ppm)                            | Graphic<br>Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.  | Well<br>Completion |
|---------------|---|----------------|------|---|--------------------|
| 0             |   |                |      | 0-10' hydro-vacuumed, 7/9/2024.   |                    |
| 5             |   |                |      |   |                    |
| 10            | 0.0<br>0.0<br>0.0<br>0.0<br>2.3         | 0%             | SW   | Sand, light yellowish-brown (10YR 6/4), loose to medium dense, fine-grained, dry, weakly cemented, poorly to moderately sorted, roots, no odor.   |                    |
| 15            | 3.1<br>0.8<br>15.8<br>5.1<br>2.7        | 100%           | SC   | No recovery.<br>Sand, clayey, yellowish-brown (10YR 5/4), medium dense, dry, weakly cemented, fine to medium-grained, subangular, moderately sorted, no odor.   |                    |
| 20            | 36.1<br>3.9<br>4.2<br>2.5<br>20.7       | 100%           | SC   | No recovery.<br>Sand, clayey, brown (10YR 5/3), dense, dry to trace water beads, moderately cemented, fine to coarse-grained, poorly sorted, no odor.   |                    |
| 25            | 144.1*<br>99.4<br>100.7<br>37.3<br>49.3 | 100%           | SW   | No recovery.<br>Sand, pale brown (10YR 6/3), medium dense, dry, weakly cemented, fine to medium-grained, moderately sorted, strong odor. *MP-6 @ 25'.   |                    |
| 30            | 38.7<br>160.5<br>243.3<br>1035<br>2851* | 100%           | SM   | No recovery.<br>Sand, silty, light olive-brown (2.5Y 5/3), medium dense to loose, dry to trace water beads, weakly cemented, fine-grained, moderately to well sorted, subangular, strong odor. *MP-6 @ 34'. |                    |
| 35            |   |                |      | No recovery.  |                    |

Continued Next Page



## Drilling Log

Monitoring Well

SB-09/MP-6

Page: 2 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP CompanyLocation Bloomfield, New MexicoProject Number 193710670

| Depth<br>(ft) | PID<br>(ppm) |      | Graphic<br>Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.  | Well<br>Completion |
|---------------|--------------|------|----------------|------|---|--------------------|
| Continued     |              |      |                |      |   |                    |
| 35            | 4658         | 0%   |                | SW   | Sand, olive-brown (2.5Y 4/3), medium dense to loose, dry to trace water, fine to coarse-grained, moderately sorted, subangular, very strong odor.   |                    |
|               | 6389         |      |                |      |   |                    |
|               | >15000       |      |                |      |   |                    |
|               | >15000*      | 100% |                | MH   | Silt, clayey, very dark gray (Gley1 3/N), very stiff to hard, trace water beads, high plasticity, very strong odor, sheen. *MP-6 @ 38'.   |                    |
|               | >15000       |      |                |      |   |                    |
| 40            | 11741        | 0%   |                |      | Sandstone, greenish-gray (Gley1 5/10Y), dry to trace water, very fine to fine-grained, well sorted, strong odor.  |                    |
|               | >15000       |      |                |      | No recovery.  |                    |
|               | 2239         |      |                | SW   | Sand, olive-brown (5Y 5/3), very dense to loose, trace moisture, moderately to strongly cemented, fine to very fine-grained, very strong odor. *MP-6 @ 44'.   |                    |
|               | 5567         | 100% |                |      |   |                    |
|               | >15000*      |      |                |      | No recovery.  |                    |
| 45            | 611.9        | 0%   |                |      | Sandstone, light olive-brown (2.5Y 5/4), dense, trace moisture, weakly to moderately cemented, very fine to fine-grained, well sorted, slight odor.   |                    |
|               | 133.6        |      |                |      |   |                    |
|               | 38.2         | 100% |                |      |   |                    |
|               | 227.5        | 0%   |                |      | No recovery.  |                    |
|               | 304.9        | 100% |                |      | Shale and clay interbedded: black (Gley1 2.5/N); and shale: dark olive-gray (5Y 3/2), very dense to very soft, dry to trace water beads, thinly bedded to massive, odor.  |                    |
| 50            | 55.7         | 100% |                |      | Shale, black (Gley1 2.5/N), hard, some water beads, thinly bedded to massive, weakly cemented.  |                    |
|               | 41.9         |      |                |      |   |                    |
|               | 18.7         | 100% |                |      |   |                    |
|               | 92.1         |      |                |      | Weathered shale, dark gray (10YR 4/1), stiff, trace water beads, moderately cemented, no odor.  |                    |
|               | 8.1          | 100% |                |      |   |                    |
| 55            | 9.8          | 100% |                |      | Sandstone, gray (Gley1 6/N), very dense, dry to trace water beads, minor cross-bedding, strongly cemented, fine-grained, no odor; also minor interbedded soft clay, black, high plasticity, less than 1-inch thick. |                    |
|               | 32.8         |      |                |      |   |                    |
|               | 22.4         |      |                |      |   |                    |
|               | 33.9         | 100% |                |      |   |                    |
|               | 13.3         | 100% |                |      | Sandstone, bluish-gray (Gley 2 5/5PB), trace water beads, very fine-grained.  |                    |
| 60            | 9.9          | 100% |                |      | Shale, very dark bluish-gray (Gley 2 3/5PB), trace water, thinly bedded to massive, moderately cemented.  |                    |
|               |              |      |                |      |   |                    |
|               |              |      |                |      | End of boring = 60.5'. Well set at 59'.   |                    |
| 65            |              |      |                |      |   |                    |
|               |              |      |                |      |   |                    |
| 70            |              |      |                |      |   |                    |
|               |              |      |                |      |   |                    |
| 75            |              |      |                |      |   |                    |
|               |              |      |                |      |   |                    |
| 80            |              |      |                |      |   |                    |

Drilling Log BLANCO NFP.GPJ MWH IA.GDT 2/10/25



## Drilling Log

Monitoring Well **MW-61**

Page: 1 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP Company  
 Location Bloomfield, New Mexico Project Number 193710670  
 Surface Elev. NA North NA East NA  
 Top of Casing 1.00 ft Water Level Initial ▽ Static ▽ -48.45 07/14/24 00:00  
 Hole Depth 62.0ft Screen: Diameter 4 in Length 25.0 ft Type/Size SCH 40 PVC/0.01 in  
 Hole Diameter 6.0 in Casing: Diameter 4 in Length 38.6 ft Type SCH 40 PVC  
 Drill Co. Cascade Drilling Method Sonic Sand Pack Gillibrand 20/40  
 Driller Greg Smith Driller Reg. # WD-1664 Log By Scott Stanley  
 Start Date 7/9/2024 Completion Date 7/11/202 Checked By S. Varsa

## COMMENTS

\*Sample submitted to lab.

Bentonite Grout Bentonite Granuals Grout Portland Cement Sand Pack Sand Pack

| Depth (ft) | PID (ppm)                             | Graphic Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.   | Well Completion |
|------------|---------------------------------------|-------------|------|--|-----------------|
| 0          |                                       |             |      | 0-10' hydro-vacuumed, 7/9/2024.  |                 |
| 5          |                                       |             |      |  |                 |
| 10         | 0.0<br>0.0<br>2.8<br>0.0              | 100%        | SM   | Sand, silty, brown (7.5YR 5/3), loose to medium dense, dry, weakly cemented, fine-grained, crumbly, no odor.   |                 |
| 15         | 0.6<br>4.8<br>0.0<br>2.3              | 100%        | SM   | Sand, silty, very dark gray (10YR 3/1), medium dense, dry, weakly cemented, fine-grained, crumbly, no odor.  |                 |
| 20         | 1.0<br>1.4<br>0.9<br>4.9<br>8.4       | 0%          | SM   | No recovery.<br>Sand, silty, very dark grayish-brown (10YR 3/2), loose to medium dense, dry, weakly cemented, fine-grained, crumbly, very slight odor.   |                 |
| 25         | 7.4<br>4.2<br>60.7*<br>17.5           | 100%        | SM   | No recovery.<br>Sand, silty, brown (7.5YR 5/2), loose to medium dense, dry, weak to no cementation, fine-grained, crumbly, very slight to no odor.   |                 |
| 30         | 37.2<br>29.8<br>98.7<br>35.1          | 0%          | SM   | No recovery.<br>Sand, silty, brown (7.5YR 5/2), loose to medium dense, dry to trace water beads, very weakly cemented, fine-grained, crumbly, slight odor. *MW-61 @ 27'.   |                 |
| 35         | 1854<br>2254<br>1342<br>2539*<br>1754 | 100%        | SM   | No recovery.<br>Sand, silty, very dark gray (10YR 3/1), loose to medium dense, dry to little water beads, slightly cemented, fine-grained, more blocky with depth, crumbly with pressure, strong odor. *MW-61 @ 38'. |                 |
| 40         |                                       |             |      | No recovery.   |                 |

Continued Next Page





## Drilling Log

Monitoring Well

**MW-61**

Page: 2 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP CompanyLocation Bloomfield, New Mexico Project Number 193710670

| Depth<br>(ft) | PID<br>(ppm)                             |            | Graphic<br>Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.   | Well<br>Completion |
|---------------|--|------------|----------------|------|--|--------------------|
| 40            | 144.0<br>1134*<br>810.0<br>918.6<br>71.5 | 0%<br>100% |                | SM   | <i>Continued</i><br>Sand, silty, brown (7.5YR 5/2), loose to medium dense, dry to trace water beads, trace cemented, fine-grained, crumbly, slight odor. *MW-61 @ 41'.                     |                    |
| 45            | 596.6<br>196.0<br>2013<br>35.3<br>41.5   | 0%<br>100% |                | SM   | No recovery.<br>Sand, silty, brown (7.5YR 5/3), loose to medium dense, dry to little water beads, no cementation, fine-grained, crumbly, odor 45-48.5'.                                    |                    |
| 50            | 3.9<br>3.0<br>9.8<br>74.3<br>22.4        | 100%       |                |      | Shale, very dark gray (10YR 3/1), moderately strong, moderately hard, dry to little water beads, very thinly-bedded to massive, slightly weathered, very fine-grained, slight odor.        |                    |
| 55            | 39.9<br>48.2<br>16.1<br>4.4<br>48.5      | 0%<br>100% |                |      | No recovery.<br>Shale, black (10YR 2/1), moderately hard, dry to trace water beads, very thinly-bedded to massive, slightly weathered, slight odor.  |                    |
| 60            | 16.8<br>82.7<br>14.0                     | 0%<br>100% |                |      | No recovery.<br>Shale, black (10YR 2/1), moderately strong, moderately hard, dry to little water beads, very thinly-bedded to massive, slightly weathered, very fine-grained, slight odor. |                    |
| 65            |  |            |                |      | End of boring = 62'. Well set at 62'.  |                    |
| 70            |  |            |                |      |  |                    |
| 75            |  |            |                |      |  |                    |
| 80            |  |            |                |      |  |                    |
| 85            |  |            |                |      |  |                    |
| 90            |  |            |                |      |  |                    |

Drilling Log BLANCO NFP.GPJ MW-61 2/10/25



## Drilling Log

Monitoring Well

MW-62

Page: 1 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP Company

Location Bloomfield, New Mexico Project Number 193710670

Surface Elev. NA North NA East NA

Top of Casing 1.00 ft Water Level Initial ▽ Static ▽ -46.75 07/16/24 00:00

Hole Depth 68.2ft Screen: Diameter 4 in Length 25.0 ft Type/Size SCH 40 PVC/0.01 in

Hole Diameter 6.0 in Casing: Diameter 4 in Length 45.3 ft Type SCH 40 PVC

Drill Co. Cascade Drilling Method Sonic Sand Pack Gillibrand 20/40

Driller Greg Smith Driller Reg. # WD-1664 Log By Scott Stanley

Start Date 7/9/2024 Completion Date 7/12/2024 Checked By S. Varsa

## COMMENTS

\*Sample submitted to lab.

Bentonite Grout
 Bentonite Granuals
 Grout
 Portland Cement
 Sand Pack
 Sand Pack

| Depth (ft) | PID (ppm)                         | Graphic Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.   | Well Completion |
|------------|-----------------------------------|-------------|------|--|-----------------|
| 0          |                                   |             |      | 0-10' hydro-vacuumed, 7/9/2024   |                 |
| 5          |                                   |             |      |  |                 |
| 10         | 0.4<br>0.0<br>2.2<br>0.6          | 100%        |      | Sand, silty, brown (7.5YR 5/2), loose to medium dense, dry, weakly cemented, fine-grained, crumbly, no odor.   |                 |
| 15         | 1.8<br>0.2<br>1.1<br>0.1<br>0.6   | 100%        | SM   |  |                 |
| 20         | 2.9*<br>0.8<br>0.7<br>2.3         | 0%<br>100%  | SM   | No recovery.<br>Sand, silty, brown (10YR 5/3), loose to more medium dense with depth, dry, weakly cemented, fine-grained, crumbly, no odor. *MW-62 at 20'.   |                 |
| 25         | 0.1<br>0.0<br>0.1<br>0.0          | 0%<br>100%  | SM   | No recovery.<br>At 25', cobble-sized fragment of Sand, silty, red (7.5YR 4/8), medium dense, dry, weakly cemented, fine to medium-grained, no odor; underlain by Sand, silty, brown (10YR 5/3), medium dense to dense, dry, weakly cemented, fine-grained, crumbly, no odor.   |                 |
| 30         | 0.1<br>0.3<br>1.0<br>0.0          | 0%<br>100%  | SM   | No recovery.<br>Sand, silty, brown (10YR 5/3), medium dense to dense, dry, weakly cemented, fine-grained, no odor.   |                 |
| 35         | 0.7<br>0.0<br>5.7<br>16.4<br>30.4 | 0%<br>100%  |      | Shale, very dark gray (10YR 3/1), very soft to soft with depth, dry, very thinly-bedded to massive with depth, highly weathered, weakly cemented to no cementation with depth, no odor.<br>No recovery.<br>Shale, very dark gray (10YR 3/1) becoming brown (10YR 4/3) at 39', very weak to extremely weak and very soft to soft with depth, dry, very thinly-bedded to massive with depth, highly weathered, weakly cemented to no cementation with depth, odor. |                 |
| 40         |                                   |             |      |  |                 |

Continued Next Page



## Drilling Log

Monitoring Well

MW-62

Page: 2 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP CompanyLocation Bloomfield, New MexicoProject Number 193710670

| Depth<br>(ft) | PID<br>(ppm) |      | Graphic<br>Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.  | Well<br>Completion |
|---------------|--------------|------|----------------|------|---|--------------------|
| Continued     |              |      |                |      |   |                    |
| 40            | 13.0         |      |                |      | No recovery.  |                    |
|               | 70.0*        | 0%   |                |      | Shale, very dark grayish-brown (10YR 3/2), moderately strong, moderately hard, dry, massive to very thinly-bedded from 43-45', moderately weathered, no cementation, slight odor. *MW-62 at 41'.          |                    |
|               | 33.6         |      |                |      |   |                    |
|               | 5.8          |      |                |      |   |                    |
|               | 4.9          | 100% |                |      |   |                    |
| 45            | 3.8          | 0%   |                |      | No recovery.  |                    |
|               | 61.4         |      |                |      | Weathered sandstone, silty, brown (7.5YR 4/3) and mottled dark brown (7.5YR 3/4), medium dense, dry to little water beads, no cementation, black staining at 47', slight to moderate odor. *MW-62 at 47'. |                    |
|               | 286.2*       | 100% |                |      |   |                    |
|               | 0.1          |      |                |      | Shale, very dark gray (10YR 3/1), moderately strong, moderately hard, dry to some water beads, very thinly-bedded to massive, moderately weathered, no cementation, crumbly with great force. no odor.    |                    |
|               | 0.0          |      |                |      |   |                    |
| 50            | 0.4          |      |                |      |   |                    |
|               | 0.0          | 100% |                |      |   |                    |
|               | 0.0          |      |                |      | No recovery.  |                    |
|               | 0.0          |      |                |      | Shale, black (10YR 2/1), strong to very strong, moderately hard, dry to some water beads, massive, slightly to moderately weathered, no cementation, crumbly with great force, no odor.                   |                    |
| 55            | 0.8          |      |                |      |   |                    |
|               | 4.9          |      |                |      | No recovery.  |                    |
|               | 1.5          |      |                |      | Shale, black (10YR 2/1), strong to very strong, moderately hard, dry to little water beads, very thinly-bedded to massive, slightly weathered, no cementation, crumbly, no odor.                          |                    |
|               | 1.6          |      |                |      |   |                    |
|               | 0.5          | 100% |                |      | Sandstone, gray (Gley1 6/N), very strong, hard, with water beads, massive, slightly weathered, fine-grained, subangular, no odor.   |                    |
| 60            | 1.4          | 0%   |                |      |   |                    |
|               | 0.1          |      |                |      | Sandstone, gray (Gley1 6/N), strong, hard, with water beads, massive, cross-bedded, slightly weathered, fine-grained, subangular to subrounded, no odor.  |                    |
|               | 0.0          | 100% |                |      |   |                    |
|               | 0.8          |      |                |      | No recovery.  |                    |
|               | 0.1          | 0%   |                |      |   |                    |
| 65            | 0.9          | 100% |                |      | Sandstone, gray (Gley1 6/N), strong, hard, with water beads, massive, cross-bedded, slightly weathered, fine-grained, subangular, no odor. RGD solid = 77%, RQD modified = 60%.                           |                    |
|               | 1.1          | 100% |                |      |   |                    |
|               | 0.4          |      |                |      | Shale, black (10YR 2/1), strong, moderately hard, some water beads, very thinly-bedded to massive, slightly weathered, no cementation, crumbly, no odor.  |                    |
|               | 3.1          | 100% |                |      |   |                    |
| 70            |              | 0%   |                |      | Shale, black (10YR 2/1), strong, moderately hard, some water beads, very thinly-bedded, fresh to slightly weathered, no cementation, no odor.   |                    |
|               |              | 100% |                |      |   |                    |
|               |              | 100% |                |      | End of boring = 68.2'. Well set at 68.2'.   |                    |
|               |              | 100% |                |      |   |                    |
| 75            |              |      |                |      |   |                    |
| 80            |              |      |                |      |   |                    |
| 85            |              |      |                |      |   |                    |
| 90            |              |      |                |      |   |                    |

Drilling Log BLANCO NFP.GPJ MW-62 2/10/25



## Drilling Log

Monitoring Well

MW-63

Page: 1 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP Company

Location Bloomfield, New Mexico Project Number 193710670

Surface Elev. NA North NA East NA

Top of Casing 1.00 ft Water Level Initial 11/01/24 00:00 Static ▼

Hole Depth 71.0ft Screen: Diameter 4 in Length 25.0 ft Type/Size SCH 40 PVC/0.01 in

Hole Diameter 8.25 in Casing: Diameter 4 in Length 1.0 ft Type SCH 40 PVC

Drill Co. Cascade Drilling Method Sonic Sand Pack Gillibrand 20/40

Driller Manuel Villalobos Driller Reg. # WD-1664 Log By R. Malcomson

Start Date 10/29/2024 Completion Date 11/1/2024 Checked By S. Varsa

COMMENTS

Bentonite Grout
 Bentonite Granuals
 Grout
 Portland Cement
 Sand Pack
 Sand Pack

| Depth<br>(ft) | PID<br>(ppm) | Graphic<br>Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.        | Well<br>Completion |
|---------------|--------------|----------------|------|---|--------------------|
| 0             |              |                |      | Hydro-vacuumed, 10/29/2024; sand and silt, tanish brown, loose to dense, no apparent odors.                       |                    |
| 5             |              |                |      |   |                    |
| 10            | 0            | 0%             |      | Sand, silty, tan, loose, dry, some weak cementation, fine-grained.  |                    |
| 15            | 0            |                |      | Sand, silty, grayish brown, loose, dry, some weak cementation, fine-grained, trace caliche.                       |                    |
| 20            | 0            | 100%           |      | Sand, silty, grayish tan, loose, dry, fine-grained.   |                    |
| 25            | 0.9*         |                |      | Sand, silty, brownish gray, loose, dry, some weak cementation, fine-grained.                                      |                    |
| 30            | 0.1          |                |      | Sand, clayey/silty, olive-brown, very dense decreasing with depth, slightly moist 25-27', cohesive, fine-grained. |                    |
| 35            | 0.0          |                |      |   |                    |
| 40            | 0.0          |                |      |   |                    |
| 45            | 0.1*         |                |      |   |                    |
| 50            | 4.8*         |                |      |   |                    |
| 55            | 2.2          |                |      |   |                    |
| 60            | 2.2          |                |      |   |                    |
| 65            | 0.5          |                |      |   |                    |
| 70            | 0.8          |                |      |   |                    |
| 75            | 0.8          |                |      |   |                    |
| 80            | 3.3          |                |      |   |                    |
| 85            | 6.3*         |                |      | Clay, sandy to clayey sand, olive to olive-brown, stiff, dry to slightly moist, low plasticity, no odors.         |                    |
| 90            | 5.8          |                |      |   |                    |
| 95            | 2.1          |                |      |   |                    |
| 100           | 2.9          |                |      |   |                    |
| 105           | 7.3*         |                |      |   |                    |
| 110           | 2.9          |                |      |   |                    |
| 115           | 0.6          |                |      | Clay/silt, medium olive, stiff, dry, moderately cohesive.   |                    |
| 120           |              |                |      |   |                    |

Continued Next Page





## Drilling Log

Monitoring Well

MW-63

Page: 2 of 2

Project Blanco Gas Plant - North Flare Pit (Kutz Hydrocarbon Area) Owner El Paso CGP CompanyLocation Bloomfield, New Mexico Project Number 193710670

| Depth<br>(ft) | PID<br>(ppm)   | Graphic<br>Log | USCS | Description<br>(Color, Moisture, Texture, Structure, Odor)<br>Geologic Descriptions are Based on the USCS.   | Well<br>Completion |
|---------------|--|----------------|------|--|--------------------|
| 40            | 0.7<br>10.9*   |                |      | <i>Continued</i>   |                    |
| 45            | 0.5<br>1.0<br>0.3<br>2.1<br>4.5<br>4.0<br>3.0<br>2.1 |                |      | Shale, tanish olive, hard, dry, somewhat thin-bedded to massive.<br>Sandstone, weathered, orange gray and orange colored banding, fine-grained.<br>Shale, gray, dry, surfaces appear waxy.<br>Shale, gray, hard, dry, thinly-bedded, fissile and generally broken from 51.5-52.5'. |                    |
| 50            | 0.6<br>1.1<br>5.6*<br>21.0*                          | 100%           |      | Shale, gray, some orange mottling, hard, dry to trace moisture in fractures from 52.5-54', thinly to thickly-bedded, fissile.  |                    |
| 55            | 19.0<br>1.9<br>11.6<br>31.0**<br>1.8<br>14.1         |                |      | Shale, gray, hard, dry, no intact bedding.   |                    |
| 60            | 5.8<br>1.9<br>1.5<br>2.6<br>1.8                      | 100%           |      | Shale, gray, hard, trace moisture in fractures, massive with some thin bedding from 64-65', fissile, broken.   |                    |
| 65            | 0.1<br>5.4<br>4.3<br>1.9<br>1.0                      |                |      | Shale, gray to dark gray, hard, dry, thinly-bedded, fissile, some surfaces appear waxy.  |                    |
| 70            | 0.9  | 100%           |      |  |                    |
| 75            |  | 100%           |      | End of boring = 71'. Well set at 71'.  |                    |
| 80            |  |                |      |  |                    |
| 85            |  |                |      |  |                    |
| 90            |  |                |      |  |                    |

Drilling Log BLANCO NFP.GPJ MWH IA GDT 2/10/25

# APPENDIX E

NMOSE Well Logs and Plugging Form



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

|  |   |                  |  |  |   |  |   |                    |
|--|---|------------------|--|--|---|--|---|--------------------|
| 1. GENERAL AND WELL LOCATION   | OSE POD NO. (WELL NO.)<br>POD 32 (MW-61)  |                  | WELL TAG ID NO.                        |  | OSE FILE NO(S).<br>SJ-4254                        |  |   |                    |
|  | WELL OWNER NAME(S)<br>EL Paso CGP Company,LLP (Attn: Joseph Wiley P.G.)   |                  |  |  | PHONE (OPTIONAL)<br>713-420-3475                  |  |   |                    |
|  | WELL OWNER MAILING ADDRESS<br>1001 Louisiana St, Room 1445B   |                  |  |  | CITY<br>Houston                                   | STATE<br>TX  | ZIP<br>77002  |                    |
|  | WELL LOCATION<br>(FROM GPS)   | DEGREES<br>36    | MINUTES<br>44                          | SECONDS<br>10.7844 N   | * ACCURACY REQUIRED: ONE TENTH OF A SECOND        |  |   |                    |
|  |   | LONGITUDE<br>107 | 57                                     | 36.5688 W  | * DATUM REQUIRED: WGS 84                          |  |   |                    |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>SW/4,SE/4, Sec11, T29N, R11W, San Jaun Cty,NM |   |                  |  |  |   |  |   |                    |
| 2. DRILLING & CASING INFORMATION   | LICENSE NO.<br>1664   |                  | NAME OF LICENSED DRILLER<br>Shawn Cain |  |   | NAME OF WELL DRILLING COMPANY<br>Cascade Drilling  |   |                    |
|  | DRILLING STARTED<br>7/9/2024  |                  | DRILLING ENDED<br>7/10/2024            |  | DEPTH OF COMPLETED WELL (FT)<br>62                | BORE HOLE DEPTH (FT)<br>62.5                       | DEPTH WATER FIRST ENCOUNTERED (FT)                                  |                    |
|  | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)     |                  |  |  |   | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>51.26 | DATE STATIC MEASURED<br>7/17/2024                                   |                    |
|  | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:  |                  |  |  |   |  |   |                    |
|  | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Sonic |                  |  |  |   |  | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/> |                    |
|  | DEPTH (feet bgl)  |                  | BORE HOLE DIAM (inches)                | CASING MATERIAL AND/OR GRADE<br>(include each casing string, and note sections of screen)  | CASING CONNECTION TYPE<br>(add coupling diameter) | CASING INSIDE DIAM. (inches)                       | CASING WALL THICKNESS (inches)                                      | SLOT SIZE (inches) |
|  | FROM  | TO               |  |  |   |  |   |                    |
|  | 0   | 37               | 8.302                                  | 4"sch 40 pvc riser   | Flush thread                                      | 4.026  | .237  |                    |
|  | 37  | 62               | 8.302                                  | 4" sch 40 pvc screen   | Flush thread                                      | 4.026  | .237  | .010               |
|  |   |                  |  |  |   |  |   |                    |
|  |   |                  |  |  |   |  |   |                    |
|  |   |                  |  |  |   |  |   |                    |
|  |   |                  |  |  |   |  |   |                    |
| 3. ANNULAR MATERIAL  | DEPTH (feet bgl)  |                  | BORE HOLE DIAM. (inches)               | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL<br>*(if using Centralizers for Artesian wells- indicate the spacing below) | AMOUNT (cubic feet)                               | METHOD OF PLACEMENT                                |   |                    |
|  | FROM  | TO               |  |  |   |  |   |                    |
|  | 0   | 29               | 8.302                                  | Cement-Bentonite grout   | 8.23  | Tremie   |   |                    |
|  | 29  | 34               | 8.302                                  | Bentonite chips  | 1.52  | Gravity  |   |                    |
|  | 34  | 62.5             | 8.302                                  | 20/40 Sand   | 5.763   | Gravity  |   |                    |
|  |   |                  |  |  |   |  |   |                    |
| FOR OSE INTERNAL USE   |   |                  |  |  |   |  |   |                    |
| FILE NO.   |   | POD NO.          |  | WR-20 WELL RECORD & LOG (Version 09/22/2022)   |   |  |   |                    |
| LOCATION   |   | WELL TAG ID NO.  |  | PAGE 1 OF 2  |   |  |   |                    |

|   |   |           |   |   |                              |   |
|---|---|-----------|---|---|------------------------------|---|
|   | DEPTH (feet bgl)  |           | THICKNESS<br>(feet)   | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br><small>(attach supplemental sheets to fully describe all units)</small> | WATER BEARING?<br>(YES / NO) | ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm) |
|   | FROM  | TO        |   |   |                              |   |
| 4. HYDROGEOLOGIC LOG OF WELL  | 0   | 10        | 10  | Hydro Vac no data   | Y ✓ N                        |   |
|   | 10  | 30        | 20  | Silty sand, Light olive brown, brittle, dry   | Y ✓ N                        |   |
|   | 30  | 62.5      | 32.5  | Sandy clay, light olive brown,dry,brittle   | ✓ Y N                        | 1.00  |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   |   |           |   |   | Y N                          |   |
|   | METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:<br><input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:  |           |   |   |                              | TOTAL ESTIMATED WELL YIELD (gpm): 1.5         |
|   | 5. TEST; RIG SUPERVISION  | WELL TEST | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |   |                              |   |
| MISCELLANEOUS INFORMATION:  |   |           |   |   |                              |   |
| PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br><div>Brett Gresham</div> |   |           |   |   |                              |   |
| 6. SIGNATURE  | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: |           |   |   |                              |   |
|   | <div>Shawn Cain</div> SIGNATURE OF DRILLER / PRINT SIGNEE NAME  |           |   |   | <div>7-24-24</div> DATE      |   |
| FOR OS&E INTERNAL USE   |   |           |   |   |                              |   |
| FILE NO.  |   |           | POD NO.   |   | TRN NO.                      |   |
| LOCATION  |   |           |   | WELL TAG ID NO.   |                              | PAGE 2 OF 2                                   |

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 09/22/2022)

FILE NO.

POD NO.

TRN NO.

## LOCATION

WELL TAG ID NO.

PAGE 2 OF 2





# WELL RECORD & LOG

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|  |   |                  |   |   |   |  |                                |                                   |
|--|---|------------------|---|---|---|--|--------------------------------|-----------------------------------|
| 1. GENERAL AND WELL LOCATION   | OSE POD NO. (WELL NO.)<br>POD 33 (MW-62)  |                  | WELL TAG ID NO.   |   | OSE FILE NO(S).<br>SJ-4254                        |  |                                |                                   |
|  | WELL OWNER NAME(S)<br>EL Paso CGP Company,LLP (Attn: Joseph Wiley P.G)  |                  |   |   | PHONE (OPTIONAL)<br>713-420-3475                  |  |                                |                                   |
|  | WELL OWNER MAILING ADDRESS<br>1001 Louisiana St, Room 1445B   |                  |   |   | CITY<br>Houston                                   |  | STATE<br>TX                    | ZIP<br>77002                      |
|  | WELL LOCATION<br>(FROM GPS)   | DEGREES<br>36    |   | MINUTES<br>44   | SECONDS<br>09.3408                                | N  |                                |                                   |
|  |   | LONGITUDE<br>107 |   | 57  | 37.6452   | W  |                                |                                   |
| * ACCURACY REQUIRED: ONE TENTH OF A SECOND<br>* DATUM REQUIRED: WGS 84   |   |                  |   |   |   |  |                                |                                   |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>SW/4,SE/4, Sec11, T29N, R11W, San Jaun Cty,NM |   |                  |   |   |   |  |                                |                                   |
| 2. DRILLING & CASING INFORMATION   | LICENSE NO.<br>1664   |                  | NAME OF LICENSED DRILLER<br>Shawn Cain  |   |   | NAME OF WELL DRILLING COMPANY<br>Cascade Drilling  |                                |                                   |
|  | DRILLING STARTED<br>7/11/2024   |                  | DRILLING ENDED<br>7/12/2024   |   | DEPTH OF COMPLETED WELL (FT)<br>68                |  | BORE HOLE DEPTH (FT)<br>68     |                                   |
|  | DEPTH WATER FIRST ENCOUNTERED (FT)<br>59  |                  | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED) |   |   | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>59.43 |                                | DATE STATIC MEASURED<br>7/17/2024 |
|  | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:  |                  |   |   |   |  |                                |                                   |
|  | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Sonic |                  |   |   |   |  |                                |                                   |
|  | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>   |                  |   |   |   |  |                                |                                   |
|  | DEPTH (feet bgl)  |                  | BORE HOLE DIAM (inches)   | CASING MATERIAL AND/OR GRADE<br>(include each casing string, and note sections of screen)   | CASING CONNECTION TYPE<br>(add coupling diameter) | CASING INSIDE DIAM. (inches)                       | CASING WALL THICKNESS (inches) | SLOT SIZE (inches)                |
|  | FROM  | TO               |   |   |   |  |                                |                                   |
|  | 0   | 43               | 8.302   | 4"sch 40 pvc riser  | Flush thread                                      | 4.026  | .237                           |                                   |
|  | 43  | 68               | 8.302   | 4" sch 40 pvc screen  | Flush thread                                      | 4.026  | .237                           | .010                              |
|  |   |                  |   |   |   |  |                                |                                   |
|  |   |                  |   |   |   |  |                                |                                   |
|  |   |                  |   |   |   |  |                                |                                   |
|  |   |                  |   |   |   |  |                                |                                   |
|  |   |                  |   |   |   |  |                                |                                   |
|  |   |                  |   |   |   |  |                                |                                   |
| 3. ANNULAR MATERIAL  | DEPTH (feet bgl)  |                  | BORE HOLE DIAM. (inches)  | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL<br>*(if using Centralizers for Artesian wells- indicate the spacing below) | AMOUNT (cubic feet)                               | METHOD OF PLACEMENT                                |                                |                                   |
|  | FROM  | TO               |   |   |   |  |                                |                                   |
|  | 0   | 34               | 8.302   | Cement-Bentonite grout  | 9.32  | Tremie   |                                |                                   |
|  | 34  | 39               | 8.302   | Bentonite chips   | 1.61  | Gravity  |                                |                                   |
|  | 39  | 68               | 8.302   | 20/40 Sand  | 5.83  | Gravity  |                                |                                   |
|  |   |                  |   |   |   |  |                                |                                   |

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 09/22/2022)

|          |                 |             |
|----------|-----------------|-------------|
| FILE NO. | POD NO.         | TRN NO.     |
| LOCATION | WELL TAG ID NO. | PAGE 1 OF 2 |

| 4. HYDROGEOLOGIC LOG OF WELL  | DEPTH (feet bgl)  |           | THICKNESS<br>(feet)   | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br>(attach supplemental sheets to fully describe all units) | WATER<br>BEARING?<br>(YES / NO) |  | ESTIMATED<br>YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |
|---|---|-----------|---|--|---------------------------------|--|--|
|   | FROM  | TO        |   |  |                                 |  |  |
|   | 0   | 10        | 10  | Hydro Vac no data  | Y                               | ✓ N                                      |  |
|   | 10  | 36        | 26  | Silty sand, Light olive brown, brittle, dry  | Y                               | ✓ N                                      |  |
|   | 36  | 68        | 32  | Sandy clay, light olive brown, dry, brittle  | ✓ Y                             | N  | 0.50   |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   |   |           |   |  | Y                               | N  |  |
|   | METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:<br><input checked="" type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:  |           |   |  |                                 | TOTAL ESTIMATED<br>WELL YIELD (gpm): .45 |  |
|   | 5. TEST; RIG SUPERVISION  | WELL TEST | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |  |                                 |  |  |
| MISCELLANEOUS INFORMATION:  |   |           |   |  |                                 |  |  |
| PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br><div>Brett Gresham</div> |   |           |   |  |                                 |  |  |
| 6. SIGNATURE  | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:<br><div><div>Shawn Cain</div><div>SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div><div>7-24-24</div><div>DATE</div></div> |           |   |  |                                 |  |  |
| FOR OSE INTERNAL USE  |   |           |   | WR-20 WELL RECORD & LOG (Version 09/22/2022)   |                                 |  |  |
| FILE NO.  |   | POD NO.   |   | TRN NO.  |                                 |  |  |
| LOCATION  |   |           | WELL TAG ID NO.   |  | PAGE 2 OF 2                     |  |  |

Stantec

113-24-1146

mhv.63

**WELL RECORD & LOG****OFFICE OF THE STATE ENGINEER**[www.ose.state.nm.us](http://www.ose.state.nm.us)

|   |   |                  |  |   |   |   |   |                    |                          |
|---|---|------------------|--|---|---|---|---|--------------------|--------------------------|
| 1. GENERAL AND WELL LOCATION  | OSE POD NO. (WELL NO.)<br>POD 34 (MW-63)  |                  | WELL TAG ID NO.                        |   | OSE FILE NO(S).<br>SJ-4254                        |   |   |                    |                          |
|   | WELL OWNER NAME(S)<br>EL Paso CGP Company,LLP (ATTN: Joseph Wiley P.G)  |                  |  |   | PHONE (OPTIONAL)<br>713-420-3475                  |   |   |                    |                          |
|   | WELL OWNER MAILING ADDRESS<br>1001 Louisiana St, Room 1445B   |                  |  |   | CITY<br>Houston                                   |   |   |                    |                          |
|   |   |                  |  |   | STATE<br>TX                                       |   |   |                    |                          |
|   |   |                  |  |   | ZIP<br>77002                                      |   |   |                    |                          |
|   | WELL LOCATION<br>(FROM GPS)   | DEGREES<br>36    |  | MINUTES<br>44   | SECONDS<br>12.8544                                | N   | * ACCURACY REQUIRED: ONE TENTH OF A SECOND                          |                    |                          |
|   |   | LONGITUDE<br>107 |  | 57  | 36.1332   |   |   | W                  | * DATUM REQUIRED: WGS 84 |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>NW/4,SE/4, Sec11, T29N, R11W, San Jaun County,NM |   |                  |  |   |   |   |   |                    |                          |
| 2. DRILLING & CASING INFORMATION  | LICENSE NO.<br>1664   |                  | NAME OF LICENSED DRILLER<br>Shawn Cain |   |   | NAME OF WELL DRILLING COMPANY<br>Cascade Drilling |   |                    |                          |
|   | DRILLING STARTED<br>10/30/2024  |                  | DRILLING ENDED<br>10/31/2024           |   | DEPTH OF COMPLETED WELL (FT)<br>70                | BORE HOLE DEPTH (FT)<br>70                        | DEPTH WATER FIRST ENCOUNTERED (FT)<br>66                            |                    |                          |
|   | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)     |                  |  |   |   | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>65   | DATE STATIC MEASURED<br>10/31/2024                                  |                    |                          |
|   | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:  |                  |  |   |   |   |   |                    |                          |
|   | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Sonic |                  |  |   |   |   | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/> |                    |                          |
|   | DEPTH (feet bgl)  |                  | BORE HOLE DIAM (inches)                | CASING MATERIAL AND/OR GRADE<br>(include each casing string, and note sections of screen)   | CASING CONNECTION TYPE<br>(add coupling diameter) | CASING INSIDE DIAM. (inches)                      | CASING WALL THICKNESS (inches)                                      | SLOT SIZE (inches) |                          |
|   | FROM  | TO               |  |   |   |   |   |                    |                          |
|   |   | 0                | 45                                     | 8.302   | 4"sch 40 pvc riser                                | Flush thread                                      | 4.026   | .237               |                          |
|   |   | 45               | 70                                     | 8.302   | 4" sch 40 pvc screen                              | Flush thread                                      | 4.026   | .237               | .010                     |
|   |   |                  |  |   |   |   |   |                    |                          |
|   |   |                  |  |   |   |   |   |                    |                          |
|   |   |                  |  |   |   |   |   |                    |                          |
|   |   |                  |  |   |   |   |   |                    |                          |
|   |   |                  |  |   |   |   |   |                    |                          |
| 3. ANNULAR MATERIAL   | DEPTH (feet bgl)  |                  | BORE HOLE DIAM. (inches)               | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL<br>*(if using Centralizers for Artesian wells- indicate the spacing below) | AMOUNT (cubic feet)                               | METHOD OF PLACEMENT                               |   |                    |                          |
|   | FROM  | TO               |  |   |   |   |   |                    |                          |
|   |   | 0                | 37                                     | 8.302   | Cement-Bentonite grout                            | 10.12   | Tremic  |                    |                          |
|   |   | 37               | 42                                     | 8.302   | Bentonite chips                                   | 1.61  | Gravity   |                    |                          |
|   |   | 42               | 70                                     | 8.302   | 20/40 Sand  | 7.52  | Gravity   |                    |                          |
|   |   |                  |  |   |   |   |   |                    |                          |
|   |   |                  |  |   |   |   |   |                    |                          |
| FOR USE INTERNAL USE  |   |                  |  |   |   |   |   |                    |                          |
| FILE NO.  |   |                  |  | POD NO.   |   | WR-20 WELL RECORD & LOG (Version 09/22/2022)      |   |                    |                          |
| LOCATION  |   |                  |  | WELL TAG ID NO.   |   | TRN NO.   |   |                    |                          |
|   |   |                  |  |   |   | PAGE 1 OF 2                                       |   |                    |                          |

#### 4. HYDROGEOLOGIC LOG OF WELL



Stanfel

113-24-1140

SB-8 MP-6



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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|  |   |      |  |  |   |   |  |                      |                              |                                |                    |
|--|---|------|--|--|---|---|--|----------------------|------------------------------|--------------------------------|--------------------|
| 1. GENERAL AND WELL LOCATION   | OSE POD NO. (WELL NO.)<br>POD 35 (SB-9 MP-6)  |      | WELL TAG ID NO.                        |  | OSE FILE NO(S).<br>SJ-4254  |   |  |                      |                              |                                |                    |
|  | WELL OWNER NAME(S)<br>EL Paso CGP Company,LLP (Attn: Joseph Wiley P.G)  |      |  |  | PHONE (OPTIONAL)<br>713-420-3475  |   |  |                      |                              |                                |                    |
|  | WELL OWNER MAILING ADDRESS<br>1001 Louisiana St, Room 1445B   |      |  |  | CITY<br>Houston   |   |  |                      |                              |                                |                    |
|  |   |      |  |  | STATE<br>TX   |   |  |                      |                              |                                |                    |
|  |   |      |  |  | ZIP<br>77002  |   |  |                      |                              |                                |                    |
| WELL LOCATION (FROM GPS)   | DEGREES<br>36   |      | MINUTES<br>44                          |  | SECONDS<br>10.1472 N  |   | • ACCURACY REQUIRED: ONE TENTH OF A SECOND<br>• DATUM REQUIRED: WGS 84 |                      |                              |                                |                    |
|  | LATITUDE  |      | LONGITUDE                              |  | 107 57 36.9648 W  |   |  |                      |                              |                                |                    |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>SW/4,SE/4, Sec11, T29N, R11W, San Jaun Cty,NM |   |      |  |  |   |   |  |                      |                              |                                |                    |
| 2. DRILLING & CASING INFORMATION   | LICENSE NO.<br>1664   |      | NAME OF LICENSED DRILLER<br>Shawn Cain |  |   | NAME OF WELL DRILLING COMPANY<br>Cascade Drilling                   |  |                      |                              |                                |                    |
|  | DRILLING STARTED<br>7/15/2024   |      | DRILLING ENDED<br>7/16/2024            |  | DEPTH OF COMPLETED WELL (FT)<br>59  |   | BORE HOLE DEPTH (FT)<br>60.5   |                      |                              |                                |                    |
|  |   |      |  |  | DEPTH WATER FIRST ENCOUNTERED (FT)<br>Dry   |   |  |                      |                              |                                |                    |
|  | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)     |      |  |  |   | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>Dry                    |  | DATE STATIC MEASURED |                              |                                |                    |
|  | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD   |      |  |  |   | ADDITIVES - SPECIFY:  |  |                      |                              |                                |                    |
|  | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Sonic |      |  |  |   | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/> |  |                      |                              |                                |                    |
|  | DEPTH (feet bgl)  |      | BORE HOLE DIAM. (inches)               |  | CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)  |   | CASING CONNECTION TYPE (add coupling diameter)                         |                      | CASING INSIDE DIAM. (inches) | CASING WALL THICKNESS (inches) | SLOT SIZE (inches) |
|  | FROM  | TO   |  |  |   |   |  |                      |                              |                                |                    |
|  | 0   | 34   | 6.167                                  |  | 2"sch 40 pvc riser  |   | Flush thread   |                      | 2.067                        | .154                           |                    |
|  | 34  | 59   | 6.167                                  |  | 2" sch 40 pvc screen  |   | Flush thread   |                      | 2.067                        | .154                           | .010               |
| 3. ANNULAR MATERIAL  | DEPTH (feet bgl)  |      | BORE HOLE DIAM. (inches)               |  | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL<br>*(if using Centralizers for Artesian wells- indicate the spacing below) |   | AMOUNT (cubic feet)  |                      | METHOD OF PLACEMENT          |                                |                    |
|  | FROM  | TO   |  |  |   |   |  |                      |                              |                                |                    |
|  | 0   | 22   | 6.167                                  |  | Cement-Bentonite grout  |   | 3.972  |                      | Tremie                       |                                |                    |
|  | 22  | 28   | 6.167                                  |  | Bentonite chips   |   | 1.32   |                      | Gravity                      |                                |                    |
|  | 28  | 60.5 | 6.167                                  |  | 20/40 Sand  |   | 6.53   |                      | Gravity                      |                                |                    |
|  |   |      |  |  |   |   |  |                      |                              |                                |                    |
|  |   |      |  |  |   |   |  |                      |                              |                                |                    |

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 09/22/2022)

FILE NO.

POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 1 OF 2

| DEPTH (feet bgl)   |  |   | THICKNESS<br>(feet)                         | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br>(attach supplemental sheets to fully describe all units) | WATER BEARING?<br>(YES / NO) | ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm) |
|--|--|---|---|--|------------------------------|---|
|  | FROM   | TO  |   |  |                              |   |
| 0  | 10   | 10  | Hydro Vac no data                           | Y ✓ N  |                              |   |
| 10   | 36   | 26  | Silty sand, Light olive brown, brittle, dry | Y ✓ N  |                              |   |
| 36   | 68   | 32  | Sandy clay, light olive brown,dry,brittle   | Y ✓ N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
|  |  |   |   | Y N  |                              |   |
| METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:<br><input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: Dry |  |   |   | TOTAL ESTIMATED WELL YIELD (gpm): Dry  |                              |   |
| 5. TEST; RIG SUPERVISION   | WELL TEST  | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |   |  |                              |   |
|  | MISCELLANEOUS INFORMATION:   |   |   |  |                              |   |
| 6. SIGNATURE   | PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br>Brett Gresham   |   |   |  |                              |   |
|  | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:<br>Shawn Cain      7-24-24<br>SIGNATURE OF DRILLER / PRINT SIGNEE NAME      DATE |   |   |  |                              |   |
| FOR OSE INTERNAL USE   |  |   |   |  |                              | WR-20 WELL RECORD & LOG (Version 09/22/2022)  |
| FILE NO.   |  | POD NO.   |   | TRN NO.  |                              |   |
| LOCATION   |  | WELL TAG ID NO.   |   | PAGE 2 OF 2  |                              |   |

Stentec

113-24-1140

SB-16

**WELL RECORD & LOG****OFFICE OF THE STATE ENGINEER**[www.ose.state.nm.us](http://www.ose.state.nm.us)

|  |   |                             |  |   |  |                                 |                                   |
|--|---|-----------------------------|--|---|--|---------------------------------|-----------------------------------|
| <b>1. GENERAL AND WELL LOCATION</b>  | OSE POD NO. (WELL NO.)<br>POD 37 ( SB-10)   |                             | WELL TAG ID NO.                        |   | OSE FILE NO(S).<br>SJ-4254   |                                 |                                   |
|  | WELL OWNER NAME(S)<br>EL Paso CGP Company,LLP (Attn: Joseph Wiley P.G.)   |                             |  |   | PHONE (OPTIONAL)<br>713-420-3475                                       |                                 |                                   |
|  | WELL OWNER MAILING ADDRESS<br>1001 Louisiana St, Room 1445B   |                             |  |   | CITY<br>Houston  | STATE<br>TX                     |                                   |
|  |   |                             |  |   | ZIP<br>77002   |                                 |                                   |
|  | WELL LOCATION<br>(FROM GPS)   | DEGREES<br>LATITUDE<br>36   | MINUTES<br>44                          | SECONDS<br>11.1984 N  | * ACCURACY REQUIRED: ONE TENTH OF A SECOND<br>* DATUM REQUIRED: WGS 84 |                                 |                                   |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>SW/4,SE/4, Sec11, T29N, R11W, San Jaun Cty,NM |   |                             |  |   |  |                                 |                                   |
| <b>2. DRILLING &amp; CASING INFORMATION</b>  | LICENSE NO.<br>1664   |                             | NAME OF LICENSED DRILLER<br>Shawn Cain |   | NAME OF WELL DRILLING COMPANY<br>Cascade Drilling                      |                                 |                                   |
|  | DRILLING STARTED<br>7/15/2024   | DRILLING ENDED<br>7/16/2024 | DEPTH OF COMPLETED WELL (FT)<br>Boring | BORE HOLE DEPTH (FT)<br>50  | DEPTH WATER FIRST ENCOUNTERED (FT)<br>Dry                              |                                 |                                   |
|  | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)     |                             |  |   | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>Dry                       | DATE STATIC MEASURED            |                                   |
|  | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:  |                             |  |   |  |                                 |                                   |
|  | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Sonic |                             |  |   |  |                                 |                                   |
|  | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>   |                             |  |   |  |                                 |                                   |
|  | DEPTH (feet bgl)<br>FROM TO   |                             | BORE HOLE DIAM (inches)                | CASING MATERIAL AND/OR GRADE<br>(include each casing string, and note sections of screen)   | CASING CONNECTION TYPE<br>(add coupling diameter)                      | CASING INSIDE DIAM.<br>(inches) | CASING WALL THICKNESS<br>(inches) |
|  |   |                             |  | Boring  |  |                                 |                                   |
|  |   |                             |  |   |  |                                 |                                   |
|  |   |                             |  |   |  |                                 |                                   |
| <b>3. ANNULAR MATERIAL</b>   | DEPTH (feet bgl)<br>FROM TO   |                             | BORE HOLE DIAM. (inches)               | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL<br>*(if using Centralizers for Artesian wells- indicate the spacing below) | AMOUNT<br>(cubic feet)   | METHOD OF PLACEMENT             |                                   |
|  | 0 50  |                             | 6.167                                  | Cement grout  | 11.23  | Tremie                          |                                   |
|  |   |                             |  |   |  |                                 |                                   |
|  |   |                             |  |   |  |                                 |                                   |
|  |   |                             |  |   |  |                                 |                                   |
|  |   |                             |  |   |  |                                 |                                   |

FOR OSE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 09/22/2022)

FILE NO.


POD NO.

TRN NO.

LOCATION

WELL TAG ID NO.

PAGE 1 OF 2

|  |   |                            |   |  |                                 |  |  |
|--|---|----------------------------|---|--|---------------------------------|--|--|
| 4. HYDROGEOLOGIC LOG OF WELL   | DEPTH (feet bgl)  |                            | THICKNESS<br>(feet)   | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br>(attach supplemental sheets to fully describe all units) | WATER<br>BEARING?<br>(YES / NO) | ESTIMATED<br>YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |  |
|  | FROM  | TO                         |   |  |                                 |  |  |
|  | 0   | 10                         | 10  | Hydro Vac no data  | Y ✓ N                           |  |  |
|  | 10  | 36                         | 26  | Silty sand, Light olive brown, brittle, dry  | Y ✓ N                           |  |  |
|  | 36  | 50                         | 14  | Sandy clay, light olive brown,dry,brittle  | Y ✓ N                           |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  |   |                            |   |  | Y N                             |  |  |
|  | METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:<br><input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: Dry  |                            |   |  |                                 | TOTAL ESTIMATED<br>WELL YIELD (gpm): Dry                   |  |
|  | 5. TEST; RIG SUPERVISION  | WELL TEST                  | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |  |                                 |  |  |
|  |   | MISCELLANEOUS INFORMATION: |   |  |                                 |  |  |
| PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br>Brett Gresham |   |                            |   |  |                                 |  |  |
| 6. SIGNATURE   | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:<br><div><div><div>Sharn Cain</div></div><div><div>7-26-24</div><div>DATE</div></div></div> <div>SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div> |                            |   |  |                                 |  |  |

|                      |                 |  |  |
|----------------------|-----------------|--|--|
| FOR OSE INTERNAL USE |                 | WR-20 WELL RECORD & LOG (Version 09/22/2022) |  |
| FILE NO.             | POD NO.         | TRN NO.                                      |  |
| LOCATION             | WELL TAG ID NO. | PAGE 2 OF 2                                  |  |



Sample

11)-24-1140

MP-5



# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

|  |   |                             |  |  |   |   |                                |
|--|---|-----------------------------|--|--|---|---|--------------------------------|
| 1. GENERAL AND WELL LOCATION   | OSE POD NO. (WELL NO.)<br>POD 38 (MP-5)   |                             | WELL TAG ID NO.                        |  | OSE FILE NO(S).<br>SJ-4254                        |   |                                |
|  | WELL OWNER NAME(S)<br>EL Paso CGP Company,LLP (Attn: Joseph Wiley P.G)  |                             |  |  | PHONE (OPTIONAL)<br>713-420-3475                  |   |                                |
|  | WELL OWNER MAILING ADDRESS<br>1001 Louisiana St, Room 1445B   |                             |  |  | CITY<br>Houston                                   | STATE<br>TX   |                                |
|  |   |                             |  |  | ZIP<br>77002                                      |   |                                |
|  | WELL LOCATION<br>(FROM GPS)   | DEGREES<br>36               | MINUTES<br>44                          | SECONDS<br>10.6080   | N   | * ACCURACY REQUIRED: ONE TENTH OF A SECOND                          |                                |
|  | LONGITUDE<br>107  | 57                          | 37.3824                                | W  | * DATUM REQUIRED: WGS 84                          |   |                                |
| DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE<br>SW/4,SE/4, Sec11, T29N, R11W, San Jaun Cty,NM |   |                             |  |  |   |   |                                |
| 2. DRILLING & CASING INFORMATION   | LICENSE NO.<br>1664   |                             | NAME OF LICENSED DRILLER<br>Shawn Cain |  |   | NAME OF WELL DRILLING COMPANY<br>Cascade Drilling                   |                                |
|  | DRILLING STARTED<br>7/13/2024   | DRILLING ENDED<br>7/14/2024 | DEPTH OF COMPLETED WELL (FT)<br>65     | BORE HOLE DEPTH (FT)<br>65   | DEPTH WATER FIRST ENCOUNTERED (FT)<br>Dry         |   |                                |
|  | COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)     |                             |  |  | STATIC WATER LEVEL IN COMPLETED WELL (FT)<br>Dry  | DATE STATIC MEASURED  |                                |
|  | DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:  |                             |  |  |   |   |                                |
|  | DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Sonic |                             |  |  |   | CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/> |                                |
|  | DEPTH (feet bgl)  |                             | BORE HOLE DIAM (inches)                | CASING MATERIAL AND/OR GRADE<br>(include each casing string, and note sections of screen)  | CASING CONNECTION TYPE<br>(add coupling diameter) | CASING INSIDE DIAM. (inches)  | CASING WALL THICKNESS (inches) |
|  | FROM  | TO                          |  |  |   |   |                                |
|  | 0   | 40                          | 6.167                                  | 2"sch 40 pvc riser   | Flush thread                                      | 2.067   | .154                           |
|  | 40  | 65                          | 6.167                                  | 2" sch 40 pvc screen   | Flush thread                                      | 2.067   | .154                           |
|  |   |                             |  |  |   |   |                                |
|  |   |                             |  |  |   |   |                                |
|  |   |                             |  |  |   |   |                                |
|  |   |                             |  |  |   |   |                                |
| 3. ANNULAR MATERIAL  | DEPTH (feet bgl)  |                             | BORE HOLE DIAM. (inches)               | LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL<br>*(if using Centralizers for Artesian wells- indicate the spacing below) | AMOUNT (cubic feet)                               | METHOD OF PLACEMENT   |                                |
|  | FROM  | TO                          |  |  |   |   |                                |
|  | 0   | 30                          | 6.167                                  | Cement-Bentonite grout   | 6.23  | Tremie  |                                |
|  | 30  | 35                          | 6.167                                  | Bentonite chips  | 1.36  | Gravity   |                                |
|  | 35  | 65                          | 6.167                                  | 20/40 Sand   | 5.68  | Gravity   |                                |
|  |   |                             |  |  |   |   |                                |
|  |   |                             |  |  |   |   |                                |
| FOR OSE INTERNAL USE   |   |                             |  |  |   |   |                                |
| FILE NO.   |   | POD NO.                     |  | WR-20 WELL RECORD & LOG (Version 09/22/2022)   |   |   |                                |
| LOCATION   |   | WELL TAG ID NO.             |  | PAGE 1 OF 2  |   |   |                                |

|   |   |                 |   |  |                                      |  |
|---|---|-----------------|---|--|--------------------------------------|--|
| 4. HYDROGEOLOGIC LOG OF WELL  | DEPTH (feet bgl)  |                 | THICKNESS<br>(feet)   | COLOR AND TYPE OF MATERIAL ENCOUNTERED -<br>INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES<br>(attach supplemental sheets to fully describe all units) | WATER<br>BEARING?<br>(YES / NO)      | ESTIMATED<br>YIELD FOR<br>WATER-<br>BEARING<br>ZONES (gpm) |
|   | FROM  | TO              |   |  |                                      |  |
|   | 0   | 10              | 10  | Hydro Vac no data  | Y ✓ N                                |  |
|   | 10  | 36              | 26  | Silty sand, Light olive brown, brittle, dry  | Y ✓ N                                |  |
|   | 36  | 65              | 29  | Sandy clay, light olive brown,dry,brittle  | Y ✓ N                                |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   |   |                 |   |  | Y N                                  |  |
|   | METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:  |                 |   |  | TOTAL ESTIMATED<br>WELL YIELD (gpm): |  |
|   | <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input checked="" type="checkbox"/> OTHER - SPECIFY: Dry  |                 |   |  | Dry                                  |  |
|   | 5. TEST, RIG SUPERVISION  | WELL TEST       | TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD. |  |                                      |  |
| MISCELLANEOUS INFORMATION:  |   |                 |   |  |                                      |  |
| PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:<br><div>Brett Gresham</div> |   |                 |   |  |                                      |  |
| 6. SIGNATURE  | THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: |                 |   |  |                                      |  |
|   | <div>Sh C.</div> <div>SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div>  |                 | <div>Shawn Cain</div> <div></div>   |  | <div>7-24-24</div> <div>DATE</div>   |  |
| FOR OSE INTERNAL USE  |   |                 |   |  |                                      |  |
| FILE NO.  |   | POD NO.         |   | WR-20 WELL RECORD & LOG (Version 09/22/2022)   |                                      |  |
| LOCATION  |   | WELL TAG ID NO. |   | PAGE 2 OF 2  |                                      |  |



# PLUGGING RECORD



**NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC**

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: POD 37 (SB-10)

Well owner: El Paso CGP Company, LLP (Attn: Joseph Wiley P.G.)

Phone No.: 713-420-3475

Mailing address: 1001 Louisiana St, Room 1445B

City: Houston

State: Texas

Zip code: 77002

## II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Cascade Drilling L.P

2) New Mexico Well Driller License No.: 1664 Expiration Date: 1-31-2025

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Brett Gresham

4) Date well plugging began: 7/16/2024 Date well plugging concluded: 7/16/2024

5) GPS Well Location: Latitude: 36 deg, 44 min, 11.1984 sec  
Longitude: 107 deg, 57 min, 37.7352 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 50 ft below ground level (bgl),  
by the following manner: Tremie grout from bottom up.

7) Static water level measured at initiation of plugging: Dry ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 5/22/2024

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Drilled POD 37 (SB-10) from 0 to 50' BGS and the boring was dry and then grouted from the bottom up using Treime pipe.

- For each interval plugged, describe within the following columns:**

| MULTIPLY    |   | BY     | AND OBTAIN |
|-------------|---|--------|------------|
| cubic feet  | x | 7.4805 | = gallons  |
| cubic yards | x | 201.97 | = gallons  |

III. SIGNATURE.

I, Shawn Cain, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Date \_\_\_\_\_



# APPENDIX F

CalClean SVE Feasibility Report

# CALCLEAN INC.

"A Partner in Protecting America's Waters"

February 3, 2025

Stantec  
11311 Aurora Avenue  
Des Moines, IA 50322

ATTN: MR. STEVE VARSA

SITE: BLANCO NORTH FLARE PIT  
NEW MEXICO

RE: SOIL VAPOR EXTRACTION FEASIBILITY TESTING REPORT

Dear Mr. Varsa:

CalClean Inc. is submitting this SVE Feasibility Testing Extraction Report for the above referenced site. This report includes activities performed from August 21-23, 2024.

From August 21-23, 2024, CalClean performed a 3-day SVE Feasibility Testing extraction (SVE) event on several wells using a low-noise, truck-mounted 450-CFM high-vacuum liquid ring blower. The test comprised of approximate 4-hour tests on five separate extraction points. This technology allows hydrocarbons to be simultaneously removed from the vadose zone, capillary fringe, and saturated soil zone.

SVE Feasibility Testing was conducted using a high vacuum system that uses a 25-hp liquid ring blower for extraction and was configured to test one well at a time and not to draw down groundwater. This system can extract at a maximum vacuum of 29 inches of Hg and has a maximum capacity of 450 cfm. During the 3-day event, the SVE Feasibility Testing system was individually connected to one well at a time - as directed by the consultant. Dilution air was added and gradually reduced to increase vacuum at the extraction well in steps. Approximately four steps per well were tested while the vapor flow rates were measured.

Total Inlet vapor samples were collected in Summa Canisters during the event. The laboratory results are listed in Table 1 and included in Attachment 1.

The total equivalent amount of hydrocarbons recovered through vapor extraction during the 3-day SVE Feasibility Testing event was 32.86 pounds. The cumulative tabulation of recovered hydrocarbons (based on the field organic vapor analyzer data) is provided in Table 2.

No groundwater was recovered during the event.

High Vacuum Dual Phase Extraction Report  
Blanco North Flare Pit, New Mexico  
February 3, 2025

---

During the event, several monitoring points were measured for vacuum influence. The observation well readings (in "H<sub>2</sub>O") are included in the field data sheets in Attachment 2.

The following attachments are included to document the SVE Feasibility Testing event at the site:

|              |  |
|--------------|--|
| Table 1      | Results of Laboratory Analysis of Influent Vapor Samples |
| Table 2      | Hydrocarbon Mass Removal (using Horiba Data)             |
| Attachment 1 | Laboratory Reports                                       |
| Attachment 2 | SVE Feasibility Testing Extraction Field Data Sheets     |

It has been a pleasure working with you on this project. If you have any questions regarding this data report, please contact us at (714) 936-2706.

Sincerely,

CALCLEAN INC.



Noel Sheno  
Principal Engineer

Attachments

CalClean Inc.

Table 1  
**RESULTS OF LABORATORY ANALYSIS OF VAPOR SAMPLES**  
**Blanco North Flare Pit**  
**New Mexico**

| Sample ID  | Date/Time Sampled     | TPH-g (ppmv)  | Benzene (ppmv) | Toluene (ppmv) | Ethylbenzene (ppmv) | Total Xylenes (ppmv) |
|--|-----------------------|---------------|----------------|----------------|---------------------|----------------------|
| <b>TOTAL INLET (MW-58)</b>   | <b>8/21/2024 1546</b> | <b>16,000</b> | <b>110</b>     | <b>200</b>     | <b>9.6</b>          | <b>135</b>           |
| <b>STACK</b>   | <b>8/21/2024 1550</b> | <b>0.44</b>   | <b>0.0047</b>  | <b>0.024</b>   | <b>0.0028</b>       | <b>0.065</b>         |
| <b>TOTAL INLET (MW-61)</b>   | <b>8/23/2024 1237</b> | <b>6,100</b>  | <b>54</b>      | <b>120</b>     | <b>3.8</b>          | <b>45.6</b>          |
| <b>STACK</b>   | <b>8/23/2024 1243</b> | <b>0.34</b>   | <b>0.014</b>   | <b>0.0096</b>  | <b>0.002</b>        | <b>0.0396</b>        |
| Notes:<br>ppmv = parts per million by volume      TPH-G/BTEX analyzed by EPA TO-3M / TO-15<br>TPH - g = total petroleum hydrocarbons - gasoline (C5-C10) |                       |               |                |                |                     |                      |



**Table 2**  
**HYDROCARBON MASS REMOVAL (Using Field Data)**  
**Blanco North Flare Pit, New Mexico**

| TIME            | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | SYSTEM PARAMETERS           |                                     |                                    | Hydrocarbon Recovery<br>(using Horiba Data) |       |              |              |
|-----------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|-------------------------------------|------------------------------------|---|-------|--------------|--------------|
|                 |                                      |                                      |                                      |                                      |                                      |                                      | System Vacuum<br>(in of Hg) | Total System Inlet Flow<br>(scfm)** | Influent Concentrations<br>(ppmv)* |   |       |              |              |
|                 |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     |                                    | (lbs)                                       | (gal) | (Cumul. lbs) | (Cumul. gal) |
| 8/21/2024 12:00 |                                      | Extraction in well MW-58             |                                      |                                      |                                      |                                      | 4                           | 123                                 | 790                                | 0.00  | 0.00  | 0.00         | 0.00         |
| 8/21/2024 13:00 |                                      |                                      |                                      |                                      |                                      |                                      | 8                           | 101                                 | 2,150                              | 2.24  | 0.36  | 2.24         | 0.36         |
| 8/21/2024 14:00 |                                      |                                      |                                      |                                      |                                      |                                      | 17                          | 42                                  | 7,330                              | 4.61  | 0.74  | 6.86         | 1.10         |
| 8/21/2024 15:00 |                                      |                                      |                                      |                                      |                                      |                                      | 19                          | 45                                  | 16,480                             | 7.05  | 1.13  | 13.91        | 2.23         |
| 8/21/2024 16:00 |                                      |                                      |                                      |                                      |                                      |                                      | 19                          | 45                                  | 20,070                             | 11.20                                       | 1.79  | 25.10        | 4.02         |
| MW-58 Total:    |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     |                                    | --  | --    | 25.10        | 4.02         |
| 8/22/2024 9:00  |                                      | Extraction in well MW-32             |                                      |                                      |                                      |                                      | 5                           | 123                                 | 165                                | 0.00  | 0.00  | 0.00         | 0.00         |
| 8/22/2024 10:00 |                                      |                                      |                                      |                                      |                                      |                                      | 11                          | 92                                  | 125                                | 0.21  | 0.03  | 0.21         | 0.03         |
| 8/22/2024 11:00 |                                      |                                      |                                      |                                      |                                      |                                      | 15                          | 52                                  | 405                                | 0.26  | 0.04  | 0.47         | 0.08         |
| 8/22/2024 12:00 |                                      |                                      |                                      |                                      |                                      |                                      | 19                          | 28                                  | 723                                | 0.31  | 0.05  | 0.78         | 0.12         |
| MW-32 Total:    |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     |                                    | --  | --    | 0.78         | 0.12         |
| 8/22/2024 13:00 |                                      | Extraction in well MP-1              |                                      |                                      |                                      |                                      | 19                          | 28                                  | 723                                | 0.00  | 0.00  | 0.00         | 0.00         |
| 8/22/2024 13:30 |                                      |                                      |                                      |                                      |                                      |                                      | 5                           | 123                                 | 122                                | 0.22  | 0.03  | 0.22         | 0.03         |
| 8/22/2024 14:30 |                                      |                                      |                                      |                                      |                                      |                                      | 8                           | 100                                 | 71                                 | 0.15  | 0.02  | 0.36         | 0.06         |
| 8/22/2024 15:30 |                                      |                                      |                                      |                                      |                                      |                                      | 15                          | 50                                  | 1,200                              | 0.65  | 0.10  | 1.01         | 0.16         |
| 8/22/2024 16:30 |                                      |                                      |                                      |                                      |                                      |                                      | 20                          | 4                                   | 4,800                              | 1.10  | 0.18  | 2.12         | 0.34         |
| 8/22/2024 17:30 |                                      |                                      |                                      |                                      |                                      |                                      | 20                          | 8                                   | 531                                | 0.22  | 0.03  | 2.33         | 0.37         |
| MP-1 Total:     |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     |                                    | --  | --    | 2.33         | 0.37         |

**Table 2**  
**HYDROCARBON MASS REMOVAL (Using Field Data)**  
**Blanco North Flare Pit, New Mexico**

| TIME                        | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | Extraction Well #<br>(Stinger Depth) | SYSTEM PARAMETERS           |                                     |                                    | Hydrocarbon Recovery<br>(using Horiba Data) |       |              |              |
|-----------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------------------------|-------------------------------------|------------------------------------|---|-------|--------------|--------------|
|                             |                                      |                                      |                                      |                                      |                                      |                                      | System Vacuum<br>(in of Hg) | Total System Inlet Flow<br>(scfm)** | Influent Concentrations<br>(ppmv)* |   |       |              |              |
|                             |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     |                                    | (lbs)                                       | (gal) | (Cumul. lbs) | (Cumul. gal) |
| 8/23/2024 8:30              |                                      | Extraction in well MW-61             |                                      |                                      |                                      |                                      | 4                           | 123                                 | 263                                | 0.00  | 0.00  | 0.00         | 0.00         |
| 8/23/2024 9:30              |                                      |                                      |                                      |                                      |                                      |                                      | 10                          | 85                                  | 990                                | 0.89  | 0.14  | 0.89         | 0.14         |
| 8/23/2024 10:30             |                                      |                                      |                                      |                                      |                                      |                                      | 17                          | 37                                  | 2,110                              | 1.29  | 0.21  | 2.17         | 0.35         |
| 8/23/2024 11:30             |                                      |                                      |                                      |                                      |                                      |                                      | 21                          | 11                                  | 4,220                              | 1.03  | 0.17  | 3.21         | 0.51         |
| 8/23/2024 12:30             |                                      |                                      |                                      |                                      |                                      |                                      | 21                          | 11                                  | 7,380                              | 0.87  | 0.14  | 4.08         | 0.65         |
| MW-61 Total:                |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     |                                    | --  | --    | 4.08         | 0.65         |
| 8/23/2024 13:00             |                                      | Extraction in well MW-47             |                                      |                                      |                                      |                                      | 5                           | 123                                 | 495                                | 0.00  | 0.00  | 0.00         | 0.00         |
| 8/23/2024 14:00             |                                      |                                      |                                      |                                      |                                      |                                      | 11                          | 84                                  | 85                                 | 0.41  | 0.07  | 0.41         | 0.07         |
| 8/23/2024 15:00             |                                      |                                      |                                      |                                      |                                      |                                      | 15                          | 52                                  | 100                                | 0.09  | 0.01  | 0.49         | 0.08         |
| 8/23/2024 16:00             |                                      |                                      |                                      |                                      |                                      |                                      | 19                          | 31                                  | 80                                 | 0.05  | 0.01  | 0.55         | 0.09         |
| 8/23/2024 17:00             |                                      |                                      |                                      |                                      |                                      |                                      | 19                          | 35                                  | 23                                 | 0.02  | 0.00  | 0.57         | 0.09         |
| MW-47 Total:                |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     |                                    | --  | --    | 0.57         | 0.09         |
| TOTAL HC RECOVERED          |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     | 32.86                              |   | 5.26  |              |              |
| Total Groundwater Extracted |                                      |                                      |                                      |                                      |                                      |                                      |                             |                                     | 0                                  |   |       |              |              |

Comments: Manual dilution was not opened during the event.

in of Hg = inches of mercury                      gal = gallons

scfm = standard cubic feet per minute                      lbs = pounds

\* Concentrations based on Horiba MEXA 324-JU field organic vapor analyzer, calibrated as hexane

\*\* Inlet flow measured through orifice tube and converted from acfm to reported scfm

**CalClean Inc.**

**ATTACHMENT 1**

**LABORATORY REPORTS**



Environment Testing

1

2

3

4

5

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/28/2024 5:36:02 PM

## JOB DESCRIPTION

Blanco Plant - North Flare Pit

## JOB NUMBER

400-264344-1

Eurofins Pensacola  
3355 McLemore Drive  
Pensacola FL 32514

See page two for job notes and contact information.  
Released to Imaging: 3/27/2025 11:40:11 AM





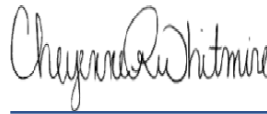
# Eurofins Pensacola

## Job Notes

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

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

## Authorization



Generated  
10/28/2024 5:36:02 PM

Authorized for release by  
Cheyenne Whitmire, Senior Project Manager  
[Cheyenne.Whitmire@et.eurofinsus.com](mailto:Cheyenne.Whitmire@et.eurofinsus.com)  
(850)471-6222

Client: Stantec Consulting Services, Inc.  
Project/Site: Blanco Plant - North Flare Pit

Laboratory Job ID: 400-264344-1

- 1
- 2
- 3
- 4
- 5

# Table of Contents

|                             |   |
|-----------------------------|---|
| Cover Page . . . . .        | 1 |
| Table of Contents . . . . . | 3 |
| Sample Summary . . . . .    | 4 |
| Chain of Custody . . . . .  | 5 |
| Subcontract Data . . . . .  | 6 |

Sample Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: Blanco Plant - North Flare Pit

Job ID: 400-264344-1

| Lab Sample ID | Client Sample ID    | Matrix | Collected      | Received       |
|---------------|---------------------|--------|----------------|----------------|
| 400-264344-1  | EFF-08212024 (BNFP) | Air    | 08/21/24 15:52 | 08/29/24 10:16 |
| 400-264344-2  | INF-08212024 (BNFP) | Air    | 08/21/24 15:56 | 08/29/24 10:16 |

- 1
- 2
- 3
- 4
- 5







9/6/2024

Ms. Isabel Enfinger  
Eurofins Test America  
3355 McLemore Dr.

Pensacola FL 32514

Project Name: BNFP-MDPE  
Project #:  
Workorder #: 2408795A

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 8/29/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads "Brian Whittaker". The signature is written in a cursive, flowing style.

Brian Whittaker  
Project Manager



Air Toxics

**WORK ORDER #: 2408795A**

## Work Order Summary

**CLIENT:** Ms. Isabel Enfinger  
Eurofins Test America  
3355 McLemore Dr.  
Pensacola, FL 32514

**BILL TO:** Ms. Isabel Enfinger  
Eurofins Test America  
3355 McLemore Dr.  
Pensacola, FL 32514

**PHONE:** 850-471-6207

**P.O. #** BNFP-MDPE

**FAX:**

**PROJECT #** BNFP-MDPE

**DATE RECEIVED:** 08/29/2024

**CONTACT:** Brian Whittaker

**DATE COMPLETED:** 09/06/2024

| <u>FRACTION #</u> | <u>NAME</u>         | <u>TEST</u> | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|---------------------|-------------|-------------------------------|---------------------------|
| 01A               | EFF-08212024 (BNFP) | TO-15       | 11.6 "Hg                      | 1.9 psi                   |
| 02A               | INN-08212024 (BNFP) | TO-15       | 11.2 "Hg                      | 1.9 psi                   |
| 03A               | Lab Blank           | TO-15       | NA                            | NA                        |
| 03B               | Lab Blank           | TO-15       | NA                            | NA                        |
| 04A               | CCV                 | TO-15       | NA                            | NA                        |
| 04B               | CCV                 | TO-15       | NA                            | NA                        |
| 05A               | LCS                 | TO-15       | NA                            | NA                        |
| 05AA              | LCSD                | TO-15       | NA                            | NA                        |
| 05B               | LCS                 | TO-15       | NA                            | NA                        |
| 05BB              | LCSD                | TO-15       | NA                            | NA                        |

CERTIFIED BY:

Technical Director

DATE: 09/06/24

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2703122, NH NELAP-209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000

Page 2 of 15

Page 7 of 32



**LABORATORY NARRATIVE**  
**EPA Method TO-15**  
**Eurofins Test America**  
**Workorder# 2408795A**

Two 6 Liter Summa Canister samples were received on August 29, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

**Receiving Notes**

The Chain of Custody (COC) information for samples EFF-08212024 (BNFP) and INN-08212024 (BNFP) did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

**Analytical Notes**

Dilution was performed on sample INN-08212024 (BNFP) due to the presence of high level non-target species.

**Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Air Toxics

**Summary of Detected Compounds**  
**EPA METHOD TO-15 GC/MS FULL SCAN**

Client Sample ID: EFF-08212024 (BNFP)

Lab ID#: 2408795A-01A

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 0.92                 | 4.7              | 2.9                   | 15                |
| Ethyl Benzene | 0.92                 | 2.8              | 4.0                   | 12                |
| Toluene       | 1.8                  | 24               | 6.9                   | 89                |
| m,p-Xylene    | 1.8                  | 55               | 8.0                   | 240               |
| o-Xylene      | 0.92                 | 10               | 4.0                   | 45                |
| -----         |                      |                  |                       |                   |

Client Sample ID: INN-08212024 (BNFP)

Lab ID#: 2408795A-02A

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 4500                 | 110000           | 14000                 | 360000            |
| Ethyl Benzene | 4500                 | 9600             | 20000                 | 42000             |
| Toluene       | 9000                 | 200000           | 34000                 | 750000            |
| m,p-Xylene    | 9000                 | 120000           | 39000                 | 540000            |
| o-Xylene      | 4500                 | 15000            | 20000                 | 64000             |
| -----         |                      |                  |                       |                   |





Air Toxics

Client Sample ID: EFF-08212024 (BNFP)

Lab ID#: 2408795A-01A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                    |
|--------------|---------|---------------------|--------------------|
| File Name:   | j083018 | Date of Collection: | 8/21/24 3:52:00 PM |
| Dil. Factor: | 1.84    | Date of Analysis:   | 8/30/24 08:56 PM   |

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 0.92                 | 4.7              | 2.9                   | 15                |
| Ethyl Benzene | 0.92                 | 2.8              | 4.0                   | 12                |
| Toluene       | 1.8                  | 24               | 6.9                   | 89                |
| m,p-Xylene    | 1.8                  | 55               | 8.0                   | 240               |
| o-Xylene      | 0.92                 | 10               | 4.0                   | 45                |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 104       | 70-130           |
| Toluene-d8            | 111       | 70-130           |
| 4-Bromofluorobenzene  | 96        | 70-130           |

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Air Toxics

Client Sample ID: INN-08212024 (BNFP)

Lab ID#: 2408795A-02A

## EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                    |
|--------------|---------|---------------------|--------------------|
| File Name:   | p083119 | Date of Collection: | 8/21/24 3:56:00 PM |
| Dil. Factor: | 9010    | Date of Analysis:   | 8/31/24 09:24 PM   |

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 4500                 | 110000           | 14000                 | 360000            |
| Ethyl Benzene | 4500                 | 9600             | 20000                 | 42000             |
| Toluene       | 9000                 | 200000           | 34000                 | 750000            |
| m,p-Xylene    | 9000                 | 120000           | 39000                 | 540000            |
| o-Xylene      | 4500                 | 15000            | 20000                 | 64000             |

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 109       | 70-130           |
| Toluene-d8            | 101       | 70-130           |
| 4-Bromofluorobenzene  | 116       | 70-130           |



Client Sample ID: Lab Blank

Lab ID#: 2408795A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |          |                                    |
|--------------|----------|------------------------------------|
| File Name:   | j083006a | Date of Collection: NA             |
| Dil. Factor: | 1.00     | Date of Analysis: 8/30/24 11:31 AM |

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 0.50                 | Not Detected     | 1.6                   | Not Detected      |
| Ethyl Benzene | 0.50                 | Not Detected     | 2.2                   | Not Detected      |
| Toluene       | 1.0                  | Not Detected     | 3.8                   | Not Detected      |
| m,p-Xylene    | 1.0                  | Not Detected     | 4.3                   | Not Detected      |
| o-Xylene      | 0.50                 | Not Detected     | 2.2                   | Not Detected      |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 106       | 70-130           |
| Toluene-d8            | 108       | 70-130           |
| 4-Bromofluorobenzene  | 93        | 70-130           |

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Client Sample ID: Lab Blank  
Lab ID#: 2408795A-03B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |          |                     |                  |
|--------------|----------|---------------------|------------------|
| File Name:   | p083106d | Date of Collection: | NA               |
| Dil. Factor: | 1.00     | Date of Analysis:   | 8/31/24 12:00 PM |

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 0.50                 | Not Detected     | 1.6                   | Not Detected      |
| Ethyl Benzene | 0.50                 | Not Detected     | 2.2                   | Not Detected      |
| Toluene       | 1.0                  | Not Detected     | 3.8                   | Not Detected      |
| m,p-Xylene    | 1.0                  | Not Detected     | 4.3                   | Not Detected      |
| o-Xylene      | 0.50                 | Not Detected     | 2.2                   | Not Detected      |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 99        | 70-130           |
| Toluene-d8            | 92        | 70-130           |
| 4-Bromofluorobenzene  | 106       | 70-130           |



- 1
- 2
- 3
- 4
- 5



Client Sample ID: CCV  
Lab ID#: 2408795A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | j083003 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 8/30/24 10:18 AM |

| Compound      | %Recovery |
|---------------|-----------|
| Benzene       | 117       |
| Ethyl Benzene | 97        |
| Toluene       | 109       |
| m,p-Xylene    | 100       |
| o-Xylene      | 88        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 99        | 70-130        |
| Toluene-d8            | 112       | 70-130        |
| 4-Bromofluorobenzene  | 100       | 70-130        |

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- 2
- 3
- 4
- 5



Client Sample ID: CCV

Lab ID#: 2408795A-04B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | p083103 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 8/31/24 10:29 AM |

| Compound      | %Recovery |
|---------------|-----------|
| Benzene       | 93        |
| Ethyl Benzene | 114       |
| Toluene       | 98        |
| m,p-Xylene    | 117       |
| o-Xylene      | 122       |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 101       | 70-130        |
| Toluene-d8            | 99        | 70-130        |
| 4-Bromofluorobenzene  | 123       | 70-130        |

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- 2
- 3
- 4
- 5



Client Sample ID: LCS

Lab ID#: 2408795A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | j083004 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 8/30/24 10:42 AM |

| Compound      | %Recovery | Method Limits |
|---------------|-----------|---------------|
| Benzene       | 116       | 70-130        |
| Ethyl Benzene | 99        | 70-130        |
| Toluene       | 105       | 70-130        |
| m,p-Xylene    | 100       | 70-130        |
| o-Xylene      | 88        | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 99        | 70-130        |
| Toluene-d8            | 112       | 70-130        |
| 4-Bromofluorobenzene  | 99        | 70-130        |



Air Toxics

Client Sample ID: LCSD

Lab ID#: 2408795A-05AA

## EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | j083005 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 8/30/24 11:05 AM |

| Compound      | %Recovery | Method Limits |
|---------------|-----------|---------------|
| Benzene       | 118       | 70-130        |
| Ethyl Benzene | 100       | 70-130        |
| Toluene       | 107       | 70-130        |
| m,p-Xylene    | 102       | 70-130        |
| o-Xylene      | 91        | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 102       | 70-130        |
| Toluene-d8            | 110       | 70-130        |
| 4-Bromofluorobenzene  | 99        | 70-130        |



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- 5



Client Sample ID: LCS

Lab ID#: 2408795A-05B

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | p083104 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 8/31/24 10:59 AM |

| Compound      | %Recovery | Method Limits |
|---------------|-----------|---------------|
| Benzene       | 89        | 70-130        |
| Ethyl Benzene | 110       | 70-130        |
| Toluene       | 95        | 70-130        |
| m,p-Xylene    | 114       | 70-130        |
| o-Xylene      | 117       | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 102       | 70-130        |
| Toluene-d8            | 98        | 70-130        |
| 4-Bromofluorobenzene  | 120       | 70-130        |

- 1
- 2
- 3
- 4
- 5



Client Sample ID: LCSD

Lab ID#: 2408795A-05BB

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                    |
|--------------|---------|------------------------------------|
| File Name:   | p083105 | Date of Collection: NA             |
| Dil. Factor: | 1.00    | Date of Analysis: 8/31/24 11:29 AM |

| Compound      | %Recovery | Method Limits |
|---------------|-----------|---------------|
| Benzene       | 87        | 70-130        |
| Ethyl Benzene | 108       | 70-130        |
| Toluene       | 90        | 70-130        |
| m,p-Xylene    | 109       | 70-130        |
| o-Xylene      | 113       | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 101       | 70-130        |
| Toluene-d8            | 96        | 70-130        |
| 4-Bromofluorobenzene  | 119       | 70-130        |



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- 2
- 3
- 4
- 5

Method : TO-15 (Sh)-BTEX only

| CAS Number | Compound              | Rpt. Limit (ppbv) |
|------------|-----------------------|-------------------|
| 71-43-2    | Benzene               | 0.50              |
| 100-41-4   | Ethyl Benzene         | 0.50              |
| 108-88-3   | Toluene               | 1.0               |
| 108-38-3   | m,p-Xylene            | 1.0               |
| 95-47-6    | o-Xylene              | 0.50              |
| -----      |                       |                   |
| Surrogate  |                       | Method Limits     |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130            |
| 2037-26-5  | Toluene-d8            | 70-130            |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130            |



9/9/2024

Ms. Isabel Enfinger  
Eurofins Test America  
3355 McLemore Dr.

Pensacola FL 32514

Project Name: BNFP-MDPE  
Project #:  
Workorder #: 2408795B

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 8/29/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-3 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads "Brian Whittaker". The signature is fluid and cursive.

Brian Whittaker  
Project Manager





Air Toxics

**WORK ORDER #: 2408795B**

## Work Order Summary

|                        |  |                  |  |
|------------------------|--|------------------|--|
| <b>CLIENT:</b>         | Ms. Isabel Enfinger<br>Eurofins Test America<br>3355 McLemore Dr.<br>Pensacola, FL 32514 | <b>BILL TO:</b>  | Ms. Isabel Enfinger<br>Eurofins Test America<br>3355 McLemore Dr.<br>Pensacola, FL 32514 |
| <b>PHONE:</b>          | 850-471-6207   | <b>P.O. #</b>    | BNFP-MDPE  |
| <b>FAX:</b>            |  | <b>PROJECT #</b> | BNFP-MDPE  |
| <b>DATE RECEIVED:</b>  | 08/29/2024   | <b>CONTACT:</b>  | Brian Whittaker  |
| <b>DATE COMPLETED:</b> | 09/09/2024   |                  |  |

| <u>FRACTION #</u> | <u>NAME</u>         | <u>TEST</u>   | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|---------------------|---------------|-------------------------------|---------------------------|
| 01A               | EFF-08212024 (BNFP) | Modified TO-3 | 11.6 "Hg                      | 1.9 psi                   |
| 02A               | INN-08212024 (BNFP) | Modified TO-3 | 11.2 "Hg                      | 1.9 psi                   |
| 03A               | Lab Blank           | Modified TO-3 | NA                            | NA                        |
| 04A               | CCV                 | Modified TO-3 | NA                            | NA                        |
| 05A               | LCS                 | Modified TO-3 | NA                            | NA                        |
| 05AA              | LCSD                | Modified TO-3 | NA                            | NA                        |

CERTIFIED BY:

Technical Director

DATE: 09/09/24

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2703122, NH NELAP-209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

*This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, LLC.*

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000

Page 2 of 12

Page 22 of 32



Air Toxics

1

2

3

4

5

**LABORATORY NARRATIVE****Modified TO-3****Eurofins Test America****Workorder# 2408795B**

Two 6 Liter Summa Canister samples were received on August 29, 2024. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The TPH results are calculated using the response of Octane. A molecular weight of 114 is used to convert the TPH ppmv result to mg/m<sup>3</sup>. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

| <b>Requirement</b>                   | <b>TO-3</b>   | <b>ATL Modifications</b>  |
|--------------------------------------|---|---|
| Daily Calibration Standard Frequency | Prior to sample analysis and every 4 - 6 hrs  | Prior to sample analysis and after the analytical batch <= 20 samples.  |
| Initial Calibration Calculation      | 4-point calibration using a linear regression model   | 5-point calibration using average Response Factor   |
| Initial Calibration Frequency        | Weekly  | When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation |
| Moisture Control                     | Nafion system   | Sorbent system  |
| Minimum Detection Limit (MDL)        | Calculated using the equation $DL = A + 3.3S$ , where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard | 40 CFR Pt. 136 App. B   |
| Preparation of Standards             | Levels achieved through dilution of gas mixture   | Levels achieved through loading various volumes of the gas mixture  |

**Receiving Notes**

The Chain of Custody (COC) information for samples EFF-08212024 (BNFP) and INN-08212024 (BNFP) did not match the entries on the sample tags with regard to sample identification. Therefore the information on the COC was used to process and report the samples.

**Analytical Notes**

There were no analytical discrepancies.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.



Air Toxics

1

2

3

4

5

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- E - Exceeds instrument calibration range.
  - S - Saturated peak.
  - Q - Exceeds quality control limits.
  - U - Compound analyzed for but not detected above the detection limit.
  - M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified
- b-File was quantified by a second column and detector
- r1-File was requantified for the purpose of reissue



Air Toxics

Summary of Detected Compounds  
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: EFF-08212024 (BNFP)

Lab ID#: 2408795B-01A

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 0.046                | 0.21                  | 0.44             | 2.0               |

Client Sample ID: INN-08212024 (BNFP)

Lab ID#: 2408795B-02A

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 9.0                  | 42                    | 16000            | 73000             |



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Air Toxics

Client Sample ID: EFF-08212024 (BNFP)

Lab ID#: 2408795B-01A

## MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                     |                    |
|--------------|---------|---------------------|--------------------|
| File Name:   | d090609 | Date of Collection: | 8/21/24 3:52:00 PM |
| Dil. Factor: | 1.84    | Date of Analysis:   | 9/6/24 04:57 PM    |

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 0.046                | 0.21                  | 0.44             | 2.0               |

Container Type: 6 Liter Summa Canister

| Surrogates          | %Recovery | Method<br>Limits |
|---------------------|-----------|------------------|
| Fluorobenzene (FID) | 109       | 75-150           |

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- 2
- 3
- 4
- 5



Client Sample ID: INN-08212024 (BNFP)

Lab ID#: 2408795B-02A

MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                     |                    |
|--------------|---------|---------------------|--------------------|
| File Name:   | d090613 | Date of Collection: | 8/21/24 3:56:00 PM |
| Dil. Factor: | 360     | Date of Analysis:   | 9/6/24 07:47 PM    |

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 9.0                  | 42                    | 16000            | 73000             |

Container Type: 6 Liter Summa Canister

| Surrogates          | %Recovery | Method<br>Limits |
|---------------------|-----------|------------------|
| Fluorobenzene (FID) | 138       | 75-150           |

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- 2
- 3
- 4
- 5



Client Sample ID: Lab Blank  
Lab ID#: 2408795B-03A

MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                     |                 |
|--------------|---------|---------------------|-----------------|
| File Name:   | d090608 | Date of Collection: | NA              |
| Dil. Factor: | 1.00    | Date of Analysis:   | 9/6/24 03:56 PM |

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 0.025                | 0.12                  | Not Detected     | Not Detected      |

Container Type: NA - Not Applicable

| Surrogates          | %Recovery | Method<br>Limits |
|---------------------|-----------|------------------|
| Fluorobenzene (FID) | 99        | 75-150           |

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- 2
- 3
- 4
- 5



Client Sample ID: CCV

Lab ID#: 2408795B-04A

MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | d090606 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 02:26 PM |

| Compound | %Recovery |
|----------|-----------|
| Octane   | 90        |

Container Type: NA - Not Applicable

| Surrogates          | %Recovery | Method Limits |
|---------------------|-----------|---------------|
| Fluorobenzene (FID) | 136       | 75-150        |

- 1
- 2
- 3
- 4
- 5



Client Sample ID: LCS

Lab ID#: 2408795B-05A

MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | d090607 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 03:07 PM |

| Compound | %Recovery | Method Limits |
|----------|-----------|---------------|
| Octane   | 105       | 75-125        |

Container Type: NA - Not Applicable

| Surrogates          | %Recovery | Method Limits |
|---------------------|-----------|---------------|
| Fluorobenzene (FID) | 112       | 75-150        |



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Client Sample ID: LCSD

Lab ID#: 2408795B-05AA

## MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | d090615 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 09:14 PM |

| Compound | %Recovery | Method Limits |
|----------|-----------|---------------|
| Octane   | 118       | 75-125        |

Container Type: NA - Not Applicable

| Surrogates          | %Recovery | Method Limits |
|---------------------|-----------|---------------|
| Fluorobenzene (FID) | 114       | 75-150        |



- 1
- 2
- 3
- 4
- 5

Method : Modified TO-3 (Sp)-TPHg (C5-C10 ref.to Octane)

| CAS Number    | Compound                  | Rpt. Limit (ppmv) |
|---------------|---------------------------|-------------------|
| 9999-9999-556 | TPHg (C5-C10 ref. Octane) | 0.025             |
| Surrogate     |                           | Method Limits     |
| 462-06-602    | Fluorobenzene (FID)       | 75-150            |



Environment Testing

1

2

3

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 10/28/2024 5:50:21 PM

## JOB DESCRIPTION

Blanco North Flare Pit

## JOB NUMBER

400-264347-1

Eurofins Pensacola  
3355 McLemore Drive  
Pensacola FL 32514

Released to Imaging: 3/27/2025 11:40:11 AM



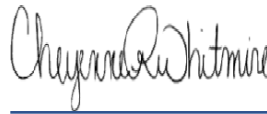
# Eurofins Pensacola

## Job Notes

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

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## Authorization



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10/28/2024 5:50:21 PM

Authorized for release by  
Cheyenne Whitmire, Senior Project Manager  
[Cheyenne.Whitmire@et.eurofinsus.com](mailto:Cheyenne.Whitmire@et.eurofinsus.com)  
(850)471-6222

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

Laboratory Job ID: 400-264347-1

- 1
- 2
- 3
- 4
- 5

# Table of Contents

|                             |   |
|-----------------------------|---|
| Cover Page . . . . .        | 1 |
| Table of Contents . . . . . | 3 |
| Sample Summary . . . . .    | 4 |
| Chain of Custody . . . . .  | 5 |
| Subcontract Data . . . . .  | 6 |



Sample Summary

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

Job ID: 400-264347-1

| Lab Sample ID | Client Sample ID     | Matrix | Collected      | Received       |
|---------------|----------------------|--------|----------------|----------------|
| 400-264347-1  | INN-08232024 (MW-61) | Air    | 08/23/24 12:45 | 08/29/24 10:16 |
| 400-264347-2  | EFF-08232024 (MW-61) | Air    | 08/23/24 12:47 | 08/29/24 10:16 |

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100-443886-1

# LETTERS

### Analysis Request / Canister Chain of Custody

For Laboratory Use Only

PID: \_\_\_\_\_ Workorder #: 2408798

130 Blue Ravine Rd. Suite B, Folsom, CA 95630  
Phone (800) 985-5955; Fax (916) 351-8279

**Click links below to view:**

## Canister Sampling Guide

### Helium Shroud Video

**Turnaround Time (Rush surcharges may apply)**

Select TAT from drop down box

### Canister Vacuum/Pressure

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Date \_\_\_\_\_

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Local, State, Federal, and international

**Pelham, California, or vicinity; or San**

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

2000



9/11/2024  
Ms. Isabel Enfinger  
Eurofins Test America  
3355 McLemore Dr.

Pensacola FL 32514

Project Name: BNFP-MDPE  
Project #:  
Workorder #: 2408798A

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 8/29/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by TO-15 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads "Brian Whittaker". The signature is fluid and cursive.

Brian Whittaker  
Project Manager



Air Toxics

**WORK ORDER #: 2408798A**

## Work Order Summary

**CLIENT:** Ms. Isabel Enfinger  
Eurofins Test America  
3355 McLemore Dr.  
Pensacola, FL 32514

**BILL TO:** Ms. Isabel Enfinger  
Eurofins Test America  
3355 McLemore Dr.  
Pensacola, FL 32514

**PHONE:** 850-471-6207

**P.O. #** BNFP-MDPE

**FAX:**

**PROJECT #** BNFP-MDPE

**DATE RECEIVED:** 08/29/2024

**CONTACT:** Brian Whittaker

**DATE COMPLETED:** 09/11/2024

| <u>FRACTION #</u> | <u>NAME</u>          | <u>TEST</u> | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|----------------------|-------------|-------------------------------|---------------------------|
| 01A               | INN-08232024 (MW-61) | TO-15       | 8.2 "Hg                       | 1.9 psi                   |
| 02A               | EFF-08232024 (MW-61) | TO-15       | 15.3 "Hg                      | 2 psi                     |
| 03A               | Lab Blank            | TO-15       | NA                            | NA                        |
| 03B               | Lab Blank            | TO-15       | NA                            | NA                        |
| 04A               | CCV                  | TO-15       | NA                            | NA                        |
| 04B               | CCV                  | TO-15       | NA                            | NA                        |
| 05A               | LCS                  | TO-15       | NA                            | NA                        |
| 05AA              | LCSD                 | TO-15       | NA                            | NA                        |
| 05B               | LCS                  | TO-15       | NA                            | NA                        |
| 05BB              | LCSD                 | TO-15       | NA                            | NA                        |

CERTIFIED BY:

Technical Director

DATE: 09/11/24

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2703122, NH NELAP-209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000

Page 2 of 15

Page 7 of 32



Air Toxics

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**LABORATORY NARRATIVE****EPA Method TO-15****Eurofins Test America****Workorder# 2408798A**

Two 6 Liter Summa Canister samples were received on August 29, 2024. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the full scan mode.

**Receiving Notes**

Sample EFF-08232024 (MW-61) was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

**Analytical Notes**

Dilution was performed on sample INN-08232024 (MW-61) due to the presence of high level target species.

Surrogate 1,2-Dichloroethane-d4 was outside control limits in sample EFF-08232024 (MW-61). The surrogate is not associated with evaluating analytical efficiency for the reported compound list therefore there is no effect on data quality.

The recovery of surrogate Toluene-d8 in sample INN-08232024 (MW-61) was outside laboratory control limits due to high level hydrocarbon matrix interference. The surrogate recovery is flagged.

**Definition of Data Qualifying Flags**

Ten qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

M - Reported value may be biased due to apparent matrix interferences.

CN - See Case Narrative.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue





Air Toxics

### Summary of Detected Compounds EPA METHOD TO-15 GC/MS

Client Sample ID: INN-08232024 (MW-61)

Lab ID#: 2408798A-01A

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 390                  | 54000            | 1200                  | 170000            |
| Toluene       | 390                  | 120000           | 1500                  | 470000            |
| Ethyl Benzene | 390                  | 3800             | 1700                  | 16000             |
| m,p-Xylene    | 390                  | 38000            | 1700                  | 170000            |
| o-Xylene      | 390                  | 7600             | 1700                  | 33000             |
| -----         |                      |                  |                       |                   |

Client Sample ID: EFF-08232024 (MW-61)

Lab ID#: 2408798A-02A

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 1.2                  | 14               | 3.7                   | 46                |
| Ethyl Benzene | 1.2                  | 2.0              | 5.0                   | 8.7               |
| Toluene       | 2.3                  | 9.6              | 8.7                   | 36                |
| m,p-Xylene    | 2.3                  | 32               | 10                    | 140               |
| o-Xylene      | 1.2                  | 7.6              | 5.0                   | 33                |
| -----         |                      |                  |                       |                   |



Air Toxics

Client Sample ID: INN-08232024 (MW-61)

Lab ID#: 2408798A-01A

EPA METHOD TO-15 GC/MS

|              |          |                     |                     |
|--------------|----------|---------------------|---------------------|
| File Name:   | 14090925 | Date of Collection: | 8/23/24 12:45:00 PM |
| Dil. Factor: | 77.7     | Date of Analysis:   | 9/9/24 06:30 PM     |

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 390                  | 54000            | 1200                  | 170000            |
| Toluene       | 390                  | 120000           | 1500                  | 470000            |
| Ethyl Benzene | 390                  | 3800             | 1700                  | 16000             |
| m,p-Xylene    | 390                  | 38000            | 1700                  | 170000            |
| o-Xylene      | 390                  | 7600             | 1700                  | 33000             |

Q = Exceeds Quality Control limits.

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 96        | 70-130           |
| Toluene-d8            | 137 Q     | 70-130           |
| 4-Bromofluorobenzene  | 104       | 70-130           |



Air Toxics

Client Sample ID: EFF-08232024 (MW-61)

Lab ID#: 2408798A-02A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |   |
|--------------|---------|---|
| File Name:   | a090627 | Date of Collection: 8/23/24 12:47:00 PM |
| Dil. Factor: | 2.32    | Date of Analysis: 9/7/24 05:13 AM       |

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 1.2                  | 14               | 3.7                   | 46                |
| Ethyl Benzene | 1.2                  | 2.0              | 5.0                   | 8.7               |
| Toluene       | 2.3                  | 9.6              | 8.7                   | 36                |
| m,p-Xylene    | 2.3                  | 32               | 10                    | 140               |
| o-Xylene      | 1.2                  | 7.6              | 5.0                   | 33                |

Q = Exceeds Quality Control limits.

Container Type: 6 Liter Summa Canister

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 132 Q     | 70-130           |
| Toluene-d8            | 94        | 70-130           |
| 4-Bromofluorobenzene  | 102       | 70-130           |



Client Sample ID: Lab Blank  
Lab ID#: 2408798A-03A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                     |                 |
|--------------|---------|---------------------|-----------------|
| File Name:   | a090616 | Date of Collection: | NA              |
| Dil. Factor: | 1.00    | Date of Analysis:   | 9/6/24 09:32 PM |

| Compound      | Rpt. Limit<br>(ppbv) | Amount<br>(ppbv) | Rpt. Limit<br>(ug/m3) | Amount<br>(ug/m3) |
|---------------|----------------------|------------------|-----------------------|-------------------|
| Benzene       | 0.50                 | Not Detected     | 1.6                   | Not Detected      |
| Ethyl Benzene | 0.50                 | Not Detected     | 2.2                   | Not Detected      |
| Toluene       | 1.0                  | Not Detected     | 3.8                   | Not Detected      |
| m,p-Xylene    | 1.0                  | Not Detected     | 4.3                   | Not Detected      |
| o-Xylene      | 0.50                 | Not Detected     | 2.2                   | Not Detected      |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method<br>Limits |
|-----------------------|-----------|------------------|
| 1,2-Dichloroethane-d4 | 118       | 70-130           |
| Toluene-d8            | 96        | 70-130           |
| 4-Bromofluorobenzene  | 98        | 70-130           |

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Client Sample ID: Lab Blank  
Lab ID#: 2408798A-03B  
EPA METHOD TO-15 GC/MS

|              |           |                                   |
|--------------|-----------|-----------------------------------|
| File Name:   | 14090906e | Date of Collection: NA            |
| Dil. Factor: | 1.00      | Date of Analysis: 9/9/24 10:24 AM |

| Compound      | Rpt. Limit (ppbv) | Amount (ppbv) | Rpt. Limit (ug/m3) | Amount (ug/m3) |
|---------------|-------------------|---------------|--------------------|----------------|
| Benzene       | 5.0               | Not Detected  | 16                 | Not Detected   |
| Toluene       | 5.0               | Not Detected  | 19                 | Not Detected   |
| Ethyl Benzene | 5.0               | Not Detected  | 22                 | Not Detected   |
| m,p-Xylene    | 5.0               | Not Detected  | 22                 | Not Detected   |
| o-Xylene      | 5.0               | Not Detected  | 22                 | Not Detected   |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 94        | 70-130        |
| Toluene-d8            | 97        | 70-130        |
| 4-Bromofluorobenzene  | 101       | 70-130        |



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Client Sample ID: CCV  
Lab ID#: 2408798A-04A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | a090613 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 07:47 PM |

| Compound      | %Recovery |
|---------------|-----------|
| Benzene       | 92        |
| Ethyl Benzene | 108       |
| Toluene       | 99        |
| m,p-Xylene    | 108       |
| o-Xylene      | 107       |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 126       | 70-130        |
| Toluene-d8            | 102       | 70-130        |
| 4-Bromofluorobenzene  | 108       | 70-130        |

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Air Toxics

Client Sample ID: CCV

Lab ID#: 2408798A-04B

EPA METHOD TO-15 GC/MS

|              |          |                                   |
|--------------|----------|-----------------------------------|
| File Name:   | 14090903 | Date of Collection: NA            |
| Dil. Factor: | 1.00     | Date of Analysis: 9/9/24 08:46 AM |

| Compound      | %Recovery |
|---------------|-----------|
| Benzene       | 99        |
| Toluene       | 96        |
| Ethyl Benzene | 99        |
| m,p-Xylene    | 96        |
| o-Xylene      | 98        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 96        | 70-130        |
| Toluene-d8            | 98        | 70-130        |
| 4-Bromofluorobenzene  | 108       | 70-130        |

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Client Sample ID: LCS  
Lab ID#: 2408798A-05A

EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | a090614 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 08:21 PM |

| Compound      | %Recovery | Method Limits |
|---------------|-----------|---------------|
| Benzene       | 93        | 70-130        |
| Ethyl Benzene | 106       | 70-130        |
| Toluene       | 93        | 70-130        |
| m,p-Xylene    | 103       | 70-130        |
| o-Xylene      | 103       | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 124       | 70-130        |
| Toluene-d8            | 99        | 70-130        |
| 4-Bromofluorobenzene  | 103       | 70-130        |



Air Toxics

Client Sample ID: LCSD

Lab ID#: 2408798A-05AA

## EPA METHOD TO-15 GC/MS FULL SCAN

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | a090615 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 08:55 PM |

| Compound      | %Recovery | Method Limits |
|---------------|-----------|---------------|
| Benzene       | 92        | 70-130        |
| Ethyl Benzene | 105       | 70-130        |
| Toluene       | 92        | 70-130        |
| m,p-Xylene    | 104       | 70-130        |
| o-Xylene      | 102       | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 122       | 70-130        |
| Toluene-d8            | 99        | 70-130        |
| 4-Bromofluorobenzene  | 102       | 70-130        |

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Air Toxics

Client Sample ID: LCS

Lab ID#: 2408798A-05B

EPA METHOD TO-15 GC/MS

|              |          |                                   |
|--------------|----------|-----------------------------------|
| File Name:   | 14090904 | Date of Collection: NA            |
| Dil. Factor: | 1.00     | Date of Analysis: 9/9/24 09:32 AM |

| Compound      | %Recovery | Method Limits |
|---------------|-----------|---------------|
| Benzene       | 101       | 70-130        |
| Toluene       | 96        | 70-130        |
| Ethyl Benzene | 103       | 70-130        |
| m,p-Xylene    | 102       | 70-130        |
| o-Xylene      | 99        | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 93        | 70-130        |
| Toluene-d8            | 97        | 70-130        |
| 4-Bromofluorobenzene  | 108       | 70-130        |





Air Toxics

Client Sample ID: LCSD

Lab ID#: 2408798A-05BB

EPA METHOD TO-15 GC/MS

|              |          |                                   |
|--------------|----------|-----------------------------------|
| File Name:   | 14090905 | Date of Collection: NA            |
| Dil. Factor: | 1.00     | Date of Analysis: 9/9/24 09:59 AM |

| Compound      | %Recovery | Method Limits |
|---------------|-----------|---------------|
| Benzene       | 100       | 70-130        |
| Toluene       | 94        | 70-130        |
| Ethyl Benzene | 102       | 70-130        |
| m,p-Xylene    | 101       | 70-130        |
| o-Xylene      | 97        | 70-130        |

Container Type: NA - Not Applicable

| Surrogates            | %Recovery | Method Limits |
|-----------------------|-----------|---------------|
| 1,2-Dichloroethane-d4 | 93        | 70-130        |
| Toluene-d8            | 97        | 70-130        |
| 4-Bromofluorobenzene  | 105       | 70-130        |



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Method : TO-15 (Sh)-BTEX only

| CAS Number | Compound              | Rpt. Limit (ppbv) |
|------------|-----------------------|-------------------|
| 71-43-2    | Benzene               | 0.50              |
| 100-41-4   | Ethyl Benzene         | 0.50              |
| 108-88-3   | Toluene               | 1.0               |
| 108-38-3   | m,p-Xylene            | 1.0               |
| 95-47-6    | o-Xylene              | 0.50              |
| -----      |                       |                   |
| Surrogate  |                       | Method Limits     |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 70-130            |
| 2037-26-5  | Toluene-d8            | 70-130            |
| 460-00-4   | 4-Bromofluorobenzene  | 70-130            |



9/9/2024

Ms. Isabel Enfinger  
Eurofins Test America  
3355 McLemore Dr.

Pensacola FL 32514

Project Name: BNFP-MDPE  
Project #:  
Workorder #: 2408798B

Dear Ms. Isabel Enfinger

The following report includes the data for the above referenced project for sample(s) received on 8/29/2024 at Eurofins Air Toxics LLC.

The data and associated QC analyzed by Modified TO-3 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics LLC. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Brian Whittaker at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads "Brian Whittaker". The signature is fluid and cursive.

Brian Whittaker  
Project Manager



Air Toxics

**WORK ORDER #: 2408798B**

## Work Order Summary

|                        |  |                  |  |
|------------------------|--|------------------|--|
| <b>CLIENT:</b>         | Ms. Isabel Enfinger<br>Eurofins Test America<br>3355 McLemore Dr.<br>Pensacola, FL 32514 | <b>BILL TO:</b>  | Ms. Isabel Enfinger<br>Eurofins Test America<br>3355 McLemore Dr.<br>Pensacola, FL 32514 |
| <b>PHONE:</b>          | 850-471-6207   | <b>P.O. #</b>    | BNFP-MDPE  |
| <b>FAX:</b>            |  | <b>PROJECT #</b> | BNFP-MDPE  |
| <b>DATE RECEIVED:</b>  | 08/29/2024   | <b>CONTACT:</b>  | Brian Whittaker  |
| <b>DATE COMPLETED:</b> | 09/09/2024   |                  |  |

| <u>FRACTION #</u> | <u>NAME</u>          | <u>TEST</u>   | <u>RECEIPT<br/>VAC./PRES.</u> | <u>FINAL<br/>PRESSURE</u> |
|-------------------|----------------------|---------------|-------------------------------|---------------------------|
| 01A               | INN-08232024 (MW-61) | Modified TO-3 | 8.2 "Hg                       | 1.9 psi                   |
| 02A               | EFF-08232024 (MW-61) | Modified TO-3 | 15.3 "Hg                      | 2 psi                     |
| 03A               | Lab Blank            | Modified TO-3 | NA                            | NA                        |
| 04A               | CCV                  | Modified TO-3 | NA                            | NA                        |
| 05A               | LCS                  | Modified TO-3 | NA                            | NA                        |
| 05AA              | LCSD                 | Modified TO-3 | NA                            | NA                        |

CERTIFIED BY:

Technical Director

DATE: 09/09/24

Cert. No.: AZ Licensure-AZ0775, FL NELAP-E87680, LA NELAP-02089, MN NELAP-2703122, NH NELAP-209223-B, NJ NELAP-CA016, NY NELAP-11291, TX NELAP-T104704434, UT NELAP-CA009332023-16, VA NELAP-12695, WA NELAP-C935

Name of Accreditation Body: NELAP/ORELAP (Oregon Environmental Laboratory Accreditation Program) CA300005-20

Eurofins Environment Testing Northern California, LLC certifies that the test results contained in this report meet all requirements of the 2016 TNI Standard.

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000

Page 2 of 12

Page 22 of 32



Air Toxics

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2

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**LABORATORY NARRATIVE****Modified TO-3****Eurofins Test America****Workorder# 2408798B**

Two 6 Liter Summa Canister samples were received on August 29, 2024. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The TPH results are calculated using the response of Octane. A molecular weight of 114 is used to convert the TPH ppmv result to mg/m<sup>3</sup>. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

| <b>Requirement</b>                   | <b>TO-3</b>   | <b>ATL Modifications</b>  |
|--------------------------------------|---|---|
| Daily Calibration Standard Frequency | Prior to sample analysis and every 4 - 6 hrs  | Prior to sample analysis and after the analytical batch <= 20 samples.  |
| Initial Calibration Calculation      | 4-point calibration using a linear regression model   | 5-point calibration using average Response Factor   |
| Initial Calibration Frequency        | Weekly  | When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation |
| Moisture Control                     | Nafion system   | Sorbent system  |
| Minimum Detection Limit (MDL)        | Calculated using the equation $DL = A + 3.3S$ , where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard | 40 CFR Pt. 136 App. B   |
| Preparation of Standards             | Levels achieved through dilution of gas mixture   | Levels achieved through loading various volumes of the gas mixture  |

**Receiving Notes**

Sample EFF-08232024 (MW-61) was received with significant vacuum remaining in the canister. The residual canister vacuum resulted in elevated reporting limits.

**Analytical Notes**

There were no analytical discrepancies.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.





Air Toxics

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S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.

M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



Air Toxics

Summary of Detected Compounds  
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: INN-08232024 (MW-61)

Lab ID#: 2408798B-01A

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 16                   | 72                    | 6100             | 28000             |

Client Sample ID: EFF-08232024 (MW-61)

Lab ID#: 2408798B-02A

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 0.058                | 0.27                  | 0.34             | 1.6               |

- 1
- 2
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- 4
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Air Toxics

Client Sample ID: INN-08232024 (MW-61)

Lab ID#: 2408798B-01A

MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | d090614 | Date of Collection: | 8/23/24 12:45:00 PM |
| Dil. Factor: | 620     | Date of Analysis:   | 9/6/24 08:35 PM     |

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 16                   | 72                    | 6100             | 28000             |

Container Type: 6 Liter Summa Canister

| Surrogates          | %Recovery | Method<br>Limits |
|---------------------|-----------|------------------|
| Fluorobenzene (FID) | 139       | 75-150           |

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Client Sample ID: EFF-08232024 (MW-61)  
Lab ID#: 2408798B-02A  
MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                     |                     |
|--------------|---------|---------------------|---------------------|
| File Name:   | d090611 | Date of Collection: | 8/23/24 12:47:00 PM |
| Dil. Factor: | 2.32    | Date of Analysis:   | 9/6/24 06:05 PM     |

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 0.058                | 0.27                  | 0.34             | 1.6               |

Container Type: 6 Liter Summa Canister

| Surrogates          | %Recovery | Method<br>Limits |
|---------------------|-----------|------------------|
| Fluorobenzene (FID) | 102       | 75-150           |

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Client Sample ID: Lab Blank  
Lab ID#: 2408798B-03A

MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                     |                 |
|--------------|---------|---------------------|-----------------|
| File Name:   | d090608 | Date of Collection: | NA              |
| Dil. Factor: | 1.00    | Date of Analysis:   | 9/6/24 03:56 PM |

| Compound                  | Rpt. Limit<br>(ppmv) | Rpt. Limit<br>(mg/m3) | Amount<br>(ppmv) | Amount<br>(mg/m3) |
|---------------------------|----------------------|-----------------------|------------------|-------------------|
| TPHg (C5-C10 ref. Octane) | 0.025                | 0.12                  | Not Detected     | Not Detected      |

Container Type: NA - Not Applicable

| Surrogates          | %Recovery | Method<br>Limits |
|---------------------|-----------|------------------|
| Fluorobenzene (FID) | 99        | 75-150           |



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Client Sample ID: CCV

Lab ID#: 2408798B-04A

MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | d090606 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 02:26 PM |

| Compound | %Recovery |
|----------|-----------|
| Octane   | 90        |

Container Type: NA - Not Applicable

| Surrogates          | %Recovery | Method Limits |
|---------------------|-----------|---------------|
| Fluorobenzene (FID) | 136       | 75-150        |

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- 2
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Client Sample ID: LCS

Lab ID#: 2408798B-05A

MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | d090607 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 03:07 PM |

| Compound | %Recovery | Method Limits |
|----------|-----------|---------------|
| Octane   | 105       | 75-125        |

Container Type: NA - Not Applicable

| Surrogates          | %Recovery | Method Limits |
|---------------------|-----------|---------------|
| Fluorobenzene (FID) | 112       | 75-150        |

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Client Sample ID: LCSD

Lab ID#: 2408798B-05AA

## MODIFIED EPA METHOD TO-3 GC/FID

|              |         |                                   |
|--------------|---------|-----------------------------------|
| File Name:   | d090615 | Date of Collection: NA            |
| Dil. Factor: | 1.00    | Date of Analysis: 9/6/24 09:14 PM |

| Compound | %Recovery | Method Limits |
|----------|-----------|---------------|
| Octane   | 118       | 75-125        |

Container Type: NA - Not Applicable

| Surrogates          | %Recovery | Method Limits |
|---------------------|-----------|---------------|
| Fluorobenzene (FID) | 114       | 75-150        |



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Method : Modified TO-3 (Sp)-TPHg (C5-C10 ref.to Octane)

| CAS Number    | Compound                  | Rpt. Limit (ppmv) |
|---------------|---------------------------|-------------------|
| 9999-9999-556 | TPHg (C5-C10 ref. Octane) | 0.025             |
| Surrogate     |                           | Method Limits     |
| 462-06-602    | Fluorobenzene (FID)       | 75-150            |

**CalClean Inc.**

**ATTACHMENT 2**

**HIGH VACUUM VAPOR EXTRACTION SYSTEM  
FIELD DATA SHEETS**



HIGH VACUUM

☐ SVE or☐ DPE

## FIELD DATA SHEET

CalClean Inc.

(714) 936-2706

Project Location: SAN JUAN RIVER BASIN

City: NORTH OF BLOOMFIELD

Site #: BLANCO NORTH FLARE PIT

Date: 8/21/2024 Page 1 of 3

Client:

Operator (s): DEMETRIUS CUMMINGS

## EXTRACTION WELLS

| EXTRACTION WELLS                |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         | 2467460 | Cumul.<br>Water<br>Extracted |
|---------------------------------|--------------------------|--------------------------|------------------------|--------------------------------|------------------|-----------------------------|----------------------------|---------------------------------|-------------|----------------------------|------------------|-------------|----------------------------|------------------|-------------|----------------------------|-------------------------|-------------|----------------------------|---------|---------|------------------------------|
| Well I.D.                       |                          |                          |                        |                                | MW-58            |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            | Water Meter<br>Readings | units       | gals                       |         |         |                              |
| Screen Interval: From-To (ft)   |                          |                          |                        |                                | DTP DTW          |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
| Initial Depth To Water DTW (ft) |                          |                          |                        |                                | 0 1645           |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
| Time                            | Unit<br>Vacuum<br>("Hg.) | Air<br>Flowrate<br>(cfm) | TOX<br>Temp.<br>(degF) | Vapor Inlet<br>Conc.<br>(ppmv) | Off/On<br>(ppmv) | DTW<br>MANI<br>WELL<br>(ft) | Stinger<br>Depth<br>(feet) | Off/On<br>WELL<br>VAC<br>(ppmv) | DTW<br>(ft) | Stinger<br>Depth<br>(feet) | Off/On<br>(ppmv) | DTW<br>(ft) | Stinger<br>Depth<br>(feet) | Off/On<br>(ppmv) | DTW<br>(ft) | Stinger<br>Depth<br>(feet) | Off/On<br>(ppmv)        | DTW<br>(ft) | Stinger<br>Depth<br>(feet) |         |         |                              |
| 8/21                            |                          |                          |                        |                                | ON               |                             | 1'                         |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
| 1200                            | 4                        | 123                      | 1457                   | 790                            | ON               | 4                           |                            | 50.2                            |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1300                            | 4                        | 125                      | 1465                   | 1092                           | ON               | 4                           |                            | 50.7                            |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1300                            | 8                        | 101                      | 1458                   | 2150                           | ON               | 7                           |                            | 101.5                           |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1400                            | 8                        | 101                      | 765                    | 2650                           | ON               | 7                           |                            | 99.2                            |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1400                            | 17                       | 42                       | 770                    | 1330                           | ON               | 16                          |                            | 196.1                           |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1500                            | 17                       | 55                       | 1693                   | 12250                          | ON               | 16                          |                            | 194.1                           |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1500                            | 19                       | 45                       | 1703                   | 16480                          | ON               | 18                          |                            | 200X                            |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1600                            | 19                       | 45                       | 1761                   | 20050                          | ON               | 18                          |                            | 200X                            |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1600                            | 19                       | 45                       | 1779                   | 20070                          | ON               | 18                          |                            | 200X                            |             |                            |                  |             |                            |                  |             |                            |                         |             |                            | 2467460 | Ø       |                              |
| 1605                            |                          |                          |                        |                                | OFF              |                             |                            | 1                               |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |
|                                 |                          |                          |                        |                                |                  |                             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                         |             |                            |         |         |                              |

Comments: 8/21/24 @ 1200 starting test @ 1200 well open 100% Percent @ 1300 well open 50% ON the manifold, @ 1400 well open 25% @ 1405 switch to the second manifold @ 1500 well open @ 10% on manifold @ 1600 took readings on manifold shut down @ 1605

HIGH VACUUM

☐ SVE or☐ DPE

## FIELD DATA SHEET

CalClean Inc.

(714) 936-2706

Project Location: SAN JUAN RIVER BASIN

City: NORTH OF BLOOMFIELD

Site #: BLANCO NORTH FLARE PIT

Date: 8/22/2024 Page 2 of 3

Client:

Operator (s): DEMETRIUS COMMINGS

## EXTRACTION WELLS

| EXTRACTION WELLS |                    |                    |                  |                          |               |               |                      |               |          |                      |               |               |                      |               |          |                      |               |          |                      | 2467460     | Cumul.    |
|------------------|--------------------|--------------------|------------------|--------------------------|---------------|---------------|----------------------|---------------|----------|----------------------|---------------|---------------|----------------------|---------------|----------|----------------------|---------------|----------|----------------------|-------------|-----------|
|                  |                    |                    |                  |                          |               |               |                      |               |          |                      |               |               |                      |               |          |                      |               |          |                      | Water Meter | Water     |
|                  |                    |                    |                  |                          |               |               |                      |               |          |                      |               |               |                      |               |          |                      |               |          |                      | Readings    | Extracted |
| Time             | Unit Vacuum ("Hg.) | Air Flowrate (cfm) | TOX Temp. (degF) | Vapor Inlet Conc. (ppmv) | Off/On (ppmv) | DTW MANI (ft) | Stinger Depth (feet) | Off/On (ppmv) | DTW (ft) | Stinger Depth (feet) | Off/On (ppmv) | DTW MANI (ft) | Stinger Depth (feet) | Off/On (ppmv) | DTW (ft) | Stinger Depth (feet) | Off/On (ppmv) | DTW (ft) | Stinger Depth (feet) | units       | gals      |
| 8/22             |                    |                    |                  |                          | ON            |               | 1'                   | ON            |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 0900             | 5                  | 123                | 1449             | 165                      | ON            | 4             |                      | 55.10         |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1000             | 5                  | 125                | 1446             | 20                       | ON            | 4             |                      | 55.10         |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1000             | 11                 | 92                 | 1450             | 125                      | ON            | 11            |                      | 147.2         |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1100             | 11                 | 78                 | 1446             | 71                       | ON            | 10            |                      | 145.1         |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1100             | 15                 | 52                 | 1470             | 405                      | ON            | 15            |                      | 193.3         |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1200             | 15                 | 52                 | 1477             | 152                      | ON            | 14            |                      | 190.5         |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1200             | 19                 | 28                 | 1546             | 723                      | ON            | 18            |                      | 200<          |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1300             | 19                 | 28                 | 1621             | 385                      | ON            | 18            |                      | 200<          |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1305             |                    |                    |                  |                          | OFF           | -             |                      | -             |          |                      |               |               |                      |               |          |                      |               |          |                      |             |           |
| 1330             | 5                  | 123                | 1427             | 122                      | OFF           | -             |                      | -             |          |                      | ON            | 4             |                      | 54.90         |          |                      |               |          |                      |             |           |
| 1430             | 5                  | 123                | 1447             | 31                       | OFF           | -             |                      | -             |          |                      | ON            | 4             |                      | 55.80         |          |                      |               |          |                      |             |           |
| 1430             | 8                  | 100                | 1446             | 71                       | OFF           | -             |                      | -             |          |                      | ON            | 7             |                      | 110.5         |          |                      |               |          |                      |             |           |
| 1530             | 8                  | 100                | 1447             | 52                       | -             | -             |                      | -             |          |                      | ON            | 7             |                      | 110.7         |          |                      |               |          |                      |             |           |
| 1530             | 15                 | 50                 | 1451             | 1200                     | -             | -             |                      | -             |          |                      | ON            | 15            |                      | 200<          |          |                      |               |          |                      |             |           |
| 1630             | 15                 | 47                 | 1444             | 125                      | -             | -             |                      | -             |          |                      | ON            | 15            |                      | 200<          |          |                      |               |          |                      |             |           |
| 1630             | 20                 | 4                  | 1540             | 4800                     | -             | -             |                      | -             |          |                      | ON            | 20            |                      | 200<          |          |                      |               |          |                      |             |           |
| 1730             | 20                 | 8                  | 1610             | 531                      | -             | -             |                      | -             |          |                      | ON            | 20            |                      | 200<          |          |                      |               |          |                      |             |           |
| 1735             |                    |                    |                  |                          |               |               |                      |               |          |                      | OFF           |               |                      |               |          |                      |               |          |                      |             |           |

Comments: 8/22/24 @ 0900 start test well open 100% @ 1000 well open 50% for next test @ 1100 well open 25% @ 1200 well open 10% @ 1305 stop test is over for MW-32 @ 1330 start test on MP-1 well open 100% @ 1430 well open 50% @ 1530 well open 25% @ 1630 well open @ 10% @ 1735 stop test complete



HIGH VACUUM

SVE or

DPE

## FIELD DATA SHEET

CalClean Inc.

(714) 936-2706

Project Location: SAN JUAN RIVER BASIN

City: NORTH OF BLOOMFIELD

Site #: BLANCO NORTH FLARE PIT

Date: 8/23/2024 Page 3 of 3

Client:

Operator(s): Jennifer Cummings

## EXTRACTION WELLS

| EXTRACTION WELLS |                          |                          |                        |                                |                  |             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                  |             |                            | Water Meter<br>Readings | Cumul.<br>Water<br>Extracted |
|------------------|--------------------------|--------------------------|------------------------|--------------------------------|------------------|-------------|----------------------------|---------------------------------|-------------|----------------------------|------------------|-------------|----------------------------|------------------|-------------|----------------------------|------------------|-------------|----------------------------|-------------------------|------------------------------|
| Time             | Unit<br>Vacuum<br>("Hg.) | Air<br>Flowrate<br>(cfm) | TOX<br>Temp.<br>(degF) | Vapor Inlet<br>Conc.<br>(ppmv) | Off/On<br>(ppmv) | DTW<br>(ft) | Stinger<br>Depth<br>(feet) | Off/On<br>Well<br>JAC<br>(ppmv) | DTW<br>(ft) | Stinger<br>Depth<br>(feet) | Off/On<br>(ppmv) | DTW<br>(ft) | Stinger<br>Depth<br>(feet) | Off/On<br>(ppmv) | DTW<br>(ft) | Stinger<br>Depth<br>(feet) | Off/On<br>(ppmv) | DTW<br>(ft) | Stinger<br>Depth<br>(feet) | units                   | gals                         |
| 8/23             |                          |                          |                        |                                |                  |             |                            |                                 |             |                            |                  |             |                            |                  |             |                            |                  |             |                            | 3467460                 |                              |
| 0830             | 4                        | 123                      | 1449                   | 263                            | ON               | 3           |                            | 56.70                           |             |                            |                  |             |                            |                  |             |                            |                  |             |                            |                         |                              |
| 0930             | 5                        | 123                      | 1453                   | 351                            | ON               | 3           |                            | 56.70                           |             |                            |                  |             |                            |                  |             |                            |                  |             |                            |                         |                              |
| 0930             | 10                       | 85                       | 1457                   | 990                            | ON               | 9           |                            | 133.6                           |             |                            |                  |             |                            |                  |             |                            |                  |             |                            |                         |                              |
| 1030             | 10                       | 87                       | 1453                   | 1014                           | ON               | 9           |                            | 133.7                           |             |                            |                  |             |                            |                  |             |                            |                  |             |                            |                         |                              |
| 1030             | 17                       | 37                       | 1468                   | 2110                           | ON               | 14          |                            | 200K                            |             |                            |                  |             |                            |                  |             |                            |                  |             |                            |                         |                              |
| 1130             | 17                       | 37                       | 1508                   | 2350                           | ON               | 14          |                            | 200K                            |             |                            |                  |             |                            |                  |             |                            |                  |             |                            |                         |                              |
| 1130             | 21                       | 11                       | 1554                   | 4220                           | ON               | 21          |                            | 200K                            |             |                            |                  |             |                            |                  |             |                            |                  |             |                            |                         |                              |
| 1230             | 21                       | 11                       | 1579                   | 7390                           | ON               | 21          |                            | 200K                            |             |                            |                  |             |                            |                  |             |                            |                  |             |                            |                         |                              |
| 1300             | 5                        | 123                      | 1447                   | 495                            | OFF              | -           |                            | -                               |             |                            | ON               | 3           | 1'                         | 50.20            |             |                            |                  |             |                            |                         |                              |
| 1400             | 5                        | 123                      | 1451                   | 15                             | OFF              | -           |                            | -                               |             |                            | ON               | 3           |                            | 51.00            |             |                            |                  |             |                            |                         |                              |
| 1400             | 11                       | 84                       | 1457                   | 85                             | -                | -           |                            | -                               |             |                            | ON               | 10          |                            | 128.2            |             |                            |                  |             |                            |                         |                              |
| 1500             | 11                       | 84                       | 1448                   | 15                             | -                | -           |                            | -                               |             |                            | ON               | 10          |                            | 126.0            |             |                            |                  |             |                            |                         |                              |
| 1500             | 15                       | 52                       | 1456                   | 100                            | -                | -           |                            | -                               |             |                            | ON               | 15          |                            | 177.5            |             |                            |                  |             |                            |                         |                              |
| 1600             | 15                       | 55                       | 1454                   | 10                             | -                | -           |                            | -                               |             |                            | ON               | 15          |                            | 173.7            |             |                            |                  |             |                            |                         |                              |
| 1600             | 19                       | 31                       | 1450                   | 80                             | -                | -           |                            | -                               |             |                            | ON               | 19          |                            | 200K             |             |                            |                  |             |                            |                         |                              |
| 1700             | 19                       | 35                       | 1458                   | 23                             | -                | -           |                            | -                               |             |                            | ON               | 19          |                            | 200K             |             |                            |                  |             |                            |                         |                              |
| 1715             |                          |                          |                        |                                | OFF              | -           |                            | -                               |             |                            | OFF              | 1           |                            | -                |             |                            |                  |             |                            |                         |                              |

Comments: 8/23/24 @ 0830 start step test on MW-61 100% OPEN ON WELL @ 0930 OPEN WELL AT 50% @ 1030 OPEN WELL 25% @ 1130 OPEN WELL 10% @ 1230 end of the step test ON MW-61 @ 1300 start step test ON MW-47 100% WELL OPEN @ 1400 WELL OPEN 50% @ 1500 WELL OPEN 25% @ 1600 WELL OPEN 10% @ 1615 thunder stand down shot unit down @ 1715

**SVE** or

11

**DPE**

## FIELD DATA SHEET

**CALCLEAN INC.**

(714) 936-2706

**Project Location: SAN JUAN RIVER BASIN**

City: NORTH OF BLOOMFIELD

Site #: **BLANCO NORTH FLARE PIT**

Date: 8 / 21 / 2024 Page 1 of 3

**Client:**

Operator (s): Dennis Cummings

## OBSERVATION WELLS

[illegible]

Comments: 8/21/24



**SVE** or

7

**DPE**

## FIELD DATA SHEET

**CALCLEAN INC.**

(714) 936-2706

**Project Location: SAN JUAN RIVER BASIN**

City: NORTH OF BLOOMFIELD

Site #: **BLANCO NORTH FLARE PIT**

Date: 8 / 12 / 2024 Page 2 of 3

**Client:**

Operator (s): D Semelruss Cummings

## OBSERVATION WELLS

| WELL<br>SCREEN<br>DTW (ft) | MP-1                        |             | MP-6                        |             | MP-6                        |             | TW-2                        |             | MW-47                       |             | MW-54                       |             | MW-61                       |             | MW-62                       |             | MW-32                       |             |                             |             |                             |             |
|----------------------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|-----------------------------|-------------|
|                            | DTW                         | DTW         | DTW                         | DTW         | DTW                         | DTW         | DTW                         | DTW         | DTW                         | DTW         | DTW                         | DTW         | DTW                         | DTW         | DTW                         | DTW         | DTW                         | DTW         | DTW                         | DTW         | DTW                         |             |
|                            | 55.19                       | 60.22       | 65.58                       | 65.58       | 59.99                       | 61.00       | 61.66                       | 47.27       | 58.88                       | 49.16       | 46.56                       | 58.88       | 58.88                       | 58.88       | 58.88                       | 58.88       | 58.88                       | 58.88       | 58.88                       | 58.88       | 58.88                       |             |
| Time                       | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) | Vacuum<br>"H <sub>2</sub> O | DTW<br>(ft) |
| 8/22                       |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
| 0930                       | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.30                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.40                        | —           |                             |             |                             |             |                             |             |
| 1030                       | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 3.50                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           |                             |             |                             |             |                             |             |
| 1100                       | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 7.30                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           |                             |             |                             |             |                             |             |
| 1130                       | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 11.70                       | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           |                             |             |                             |             |                             |             |
| 1305                       | —                           | —           | 0.00                        | —           | 0.00                        | —           | 9.80                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           |                             |             |                             |             |
| 1400                       | —                           | —           | 0.00                        | —           | 0.00                        | —           | 1.80                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           |                             |             |                             |             |
| 1500                       | —                           | —           | 0.00                        | —           | 0.00                        | —           | 1.50                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           |                             |             |                             |             |
| 1600                       | —                           | —           | 0.00                        | —           | 0.00                        | —           | 0.80                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           |                             |             |                             |             |
| 1700                       | —                           | —           | 0.00                        | —           | 0.00                        | —           | 0.40                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           | 0.00                        | —           |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |
|                            |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |                             |             |

Comments: 8/22/24 @ 1305 Switch min-32 to observations, remove mp-1 to extraction w/ell



## FIELD DATA SHEET

**CALCLEAN INC.**

(714) 936-2706

**Project Location: SAN JUAN RIVER BASIN**

City: NORTH OF BLOOMFIELD

Site #: **BLANCO NORTH FLARE PIT**

Date: 8/23 / 2024 Page 3 of 3

**Client:**

Operator (s): Demetrios Cummings

## OBSERVATION WELLS

| WELL   |                          | TW-2     |                          | MP-1     |                          | MP-5     |                          | MP-6     |                          | MW-32    |                          | MW-62    |                          | MW-47    |                          | MW-52    |                          | MW-61    |                          |          |                          |          |                          |          |
|--------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|--------------------------|----------|
| SCREEN | DTW (ft)                 | DTW      |                          | DTW      | DTW                      | DTW      |                          | DTW      |                          | DTW      |                          | DTW      |                          | DTW      |                          | DTW      |                          | DTW      |                          |          |                          |          |                          |          |
| Time   | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) | Vacuum "H <sub>2</sub> O | DTW (ft) |
| 8/23   |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
| 0900   | 0.30                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        |                          |          |                          |          |                          |          |
| 1000   | 0.20                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        |                          |          |                          |          |                          |          |
| 1100   | 1.20                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        |                          |          |                          |          |                          |          |
| 1200   | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        |                          |          |                          |          |                          |          |
| 1330   | 0.50                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | —                        | —        | 0.00                     | —        | 0.00                     | —        |                          |          |                          |          |                          |          |
| 1430   | 0.70                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | —                        | —        | 0.00                     | —        | 0.00                     | —        |                          |          |                          |          |                          |          |
| 1530   | 0.80                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | —                        | —        | 0.00                     | —        | 0.00                     | —        |                          |          |                          |          |                          |          |
| 1712   | 0.50                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | 0.00                     | —        | —                        | —        | 0.00                     | —        | 0.00                     | —        |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |
|        |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |                          |          |

Comments: 8/23/24 @ 1245 Remove MW-47 from observation to a extraction well, Place MW-61 to observation well

# APPENDIX G

Groundwater Laboratory Analytical Reports



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 11/18/2024 4:41:47 PM

## JOB DESCRIPTION

KM - Blanco North

## JOB NUMBER

885-14967-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

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 South Central, LLC Project Manager.

## Authorization



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Authorized for release by  
Catherine Upton, Project Manager  
[Catherine.upton@et.eurofinsus.com](mailto:Catherine.upton@et.eurofinsus.com)  
(505)345-3975

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Laboratory Job ID: 885-14967-1

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| QC Sample Results . . . . .      | 29 |
| QC Association Summary . . . . . | 32 |
| Lab Chronicle . . . . .          | 33 |
| Certification Summary . . . . .  | 37 |
| Chain of Custody . . . . .       | 38 |
| Receipt Checklists . . . . .     | 41 |





Definitions/Glossary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Qualifiers

GC/MS VOA

| Qualifier | Qualifier Description   |
|-----------|---|
| 4         | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. |
| E         | Result exceeded calibration range.  |
| J         | Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.  |

Glossary

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

**Case Narrative**

Client: Stantec Consulting Services, Inc.  
Project: KM - Blanco North

Job ID: 885-14967-1

**Job ID: 885-14967-1**

**Eurofins Albuquerque**

**Job Narrative**  
**885-14967-1**

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

**Receipt**

The samples were received on 11/7/2024 3:17 PM. 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 time was 0.9°C.

**Receipt Exceptions**

The reference method requires samples to be preserved to a pH of <2. The following sample(s) was received with insufficient preservation

**GC/MS VOA**

Method 8260B: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 885-15667 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Benzene in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 8260B: The native sample, matrix spike, and matrix spike duplicate (MS/MSD) associated with analytical batch 885-15780 were performed at the same dilution. Due to the additional level of analyte present in the spiked samples, the concentration of Benzene in the MS/MSD was above the instrument calibration range. The data have been reported and qualified.

Method 8260B: The continuing calibration verification (CCV) associated with batch 885-15780 recovered outside acceptance criteria, low biased, for Bromomethane and 2-Chloroethyl vinyl ether. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260B: The following samples were diluted due to the nature of the sample matrix: MW-46 (885-14967-11) and MW-62 (885-14967-22). 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.

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## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: TB-01

Lab Sample ID: 885-14967-1

Date Collected: 11/06/24 07:00

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | <0.23  |           | 1.0 | 0.23 ug/L |   |          | 11/11/24 12:41 | 1       |
| Ethylbenzene   | <0.21  |           | 1.0 | 0.21 ug/L |   |          | 11/11/24 12:41 | 1       |
| m&p-Xylene     | <0.37  |           | 1.0 | 0.37 ug/L |   |          | 11/11/24 12:41 | 1       |
| o-Xylene       | <0.18  |           | 1.0 | 0.18 ug/L |   |          | 11/11/24 12:41 | 1       |
| Toluene        | <0.25  |           | 1.0 | 0.25 ug/L |   |          | 11/11/24 12:41 | 1       |
| Xylenes, Total | <0.37  |           | 1.5 | 0.37 ug/L |   |          | 11/11/24 12:41 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 130 |          | 11/11/24 12:41 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 70 - 130 |          | 11/11/24 12:41 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 70 - 130 |          | 11/11/24 12:41 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 70 - 130 |          | 11/11/24 12:41 | 1       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: DUP-01  
Date Collected: 11/06/24 00:00  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-2  
Matrix: Water

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 3300      |           | 200      | 45 ug/L   |   |          | 11/12/24 16:38 | 200     |  |
| Ethylbenzene   | 45        |           | 1.0      | 0.21 ug/L |   |          | 11/11/24 13:05 | 1       |  |
| m&p-Xylene   | 4.9       |           | 1.0      | 0.37 ug/L |   |          | 11/11/24 13:05 | 1       |  |
| o-Xylene   | 0.41      | J         | 1.0      | 0.18 ug/L |   |          | 11/11/24 13:05 | 1       |  |
| Toluene  | 1.1       |           | 1.0      | 0.25 ug/L |   |          | 11/11/24 13:05 | 1       |  |
| Xylenes, Total   | 5.3       |           | 1.5      | 0.37 ug/L |   |          | 11/11/24 13:05 | 1       |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 89        |           | 70 - 130 |           |   |          | 11/11/24 13:05 | 1       |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 97        |           | 70 - 130 |           |   |          | 11/12/24 16:38 | 200     |  |
| Toluene-d8 (Surr)  | 100       |           | 70 - 130 |           |   |          | 11/11/24 13:05 | 1       |  |
| 4-Bromofluorobenzene (Surr)                              | 99        |           | 70 - 130 |           |   |          | 11/11/24 13:05 | 1       |  |
| Dibromofluoromethane (Surr)                              | 94        |           | 70 - 130 |           |   |          | 11/11/24 13:05 | 1       |  |
| Dibromofluoromethane (Surr)                              | 101       |           | 70 - 130 |           |   |          | 11/12/24 16:38 | 200     |  |

## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: DUP-02

Lab Sample ID: 885-14967-3

Date Collected: 11/06/24 00:00

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | 75     |           | 10  | 2.3 ug/L  |   |          | 11/12/24 16:14 | 10      |
| Ethylbenzene   | 5.1    |           | 1.0 | 0.21 ug/L |   |          | 11/11/24 13:30 | 1       |
| m&p-Xylene     | 35     |           | 1.0 | 0.37 ug/L |   |          | 11/11/24 13:30 | 1       |
| o-Xylene       | 3.6    |           | 1.0 | 0.18 ug/L |   |          | 11/11/24 13:30 | 1       |
| Toluene        | 14     |           | 1.0 | 0.25 ug/L |   |          | 11/11/24 13:30 | 1       |
| Xylenes, Total | 39     |           | 1.5 | 0.37 ug/L |   |          | 11/11/24 13:30 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 89        |           | 70 - 130 |          | 11/11/24 13:30 | 1       |
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 130 |          | 11/12/24 16:14 | 10      |
| Toluene-d8 (Surr)            | 104       |           | 70 - 130 |          | 11/11/24 13:30 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101       |           | 70 - 130 |          | 11/11/24 13:30 | 1       |
| Dibromofluoromethane (Surr)  | 92        |           | 70 - 130 |          | 11/11/24 13:30 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 70 - 130 |          | 11/12/24 16:14 | 10      |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-23  
Date Collected: 11/06/24 11:39  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-4  
Matrix: Water

|  |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 9100      |           | 200      | 45 ug/L   |   |          | 11/12/24 15:50 | 200     |  |
| Ethylbenzene   | 190       |           | 2.0      | 0.43 ug/L |   |          | 11/11/24 14:43 | 2       |  |
| m&p-Xylene   | 1400      |           | 20       | 7.5 ug/L  |   |          | 11/11/24 14:19 | 20      |  |
| o-Xylene   | 12        | J         | 20       | 3.6 ug/L  |   |          | 11/11/24 14:19 | 20      |  |
| Toluene  | 3.5       |           | 2.0      | 0.50 ug/L |   |          | 11/11/24 14:43 | 2       |  |
| Xylenes, Total   | 1400      |           | 30       | 7.5 ug/L  |   |          | 11/11/24 14:19 | 20      |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 82        |           | 70 - 130 |           |   |          | 11/11/24 14:43 | 2       |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 95        |           | 70 - 130 |           |   |          | 11/12/24 15:50 | 200     |  |
| Toluene-d8 (Surr)  | 105       |           | 70 - 130 |           |   |          | 11/11/24 14:19 | 20      |  |
| Toluene-d8 (Surr)  | 116       |           | 70 - 130 |           |   |          | 11/11/24 14:43 | 2       |  |
| 4-Bromofluorobenzene (Surr)                              | 104       |           | 70 - 130 |           |   |          | 11/11/24 14:43 | 2       |  |
| Dibromofluoromethane (Surr)                              | 92        |           | 70 - 130 |           |   |          | 11/11/24 14:43 | 2       |  |
| Dibromofluoromethane (Surr)                              | 99        |           | 70 - 130 |           |   |          | 11/12/24 15:50 | 200     |  |

## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-40

Lab Sample ID: 885-14967-5

Date Collected: 11/06/24 08:43

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | 0.54   | J         | 1.0 | 0.23 ug/L |   |          | 11/11/24 15:32 | 1       |
| Ethylbenzene   | <0.21  |           | 1.0 | 0.21 ug/L |   |          | 11/11/24 15:32 | 1       |
| m&p-Xylene     | <0.37  |           | 1.0 | 0.37 ug/L |   |          | 11/11/24 15:32 | 1       |
| o-Xylene       | <0.18  |           | 1.0 | 0.18 ug/L |   |          | 11/11/24 15:32 | 1       |
| Toluene        | <0.25  |           | 1.0 | 0.25 ug/L |   |          | 11/11/24 15:32 | 1       |
| Xylenes, Total | <0.37  |           | 1.5 | 0.37 ug/L |   |          | 11/11/24 15:32 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 130 |          | 11/11/24 15:32 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 11/11/24 15:32 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 70 - 130 |          | 11/11/24 15:32 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 70 - 130 |          | 11/11/24 15:32 | 1       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-41  
Date Collected: 11/06/24 08:53  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-6  
Matrix: Water

|  |           |           |          |      |      |   |          |                |         |
|--|-----------|-----------|----------|------|------|---|----------|----------------|---------|
| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |      |      |   |          |                |         |
| Analyte  | Result    | Qualifier | RL       |      | Unit | D | Prepared | Analyzed       | Dil Fac |
| Benzene  | 0.28      | J         | 1.0      | 0.23 | ug/L |   |          | 11/11/24 15:56 | 1       |
| Ethylbenzene   | <0.21     |           | 1.0      | 0.21 | ug/L |   |          | 11/11/24 15:56 | 1       |
| m&p-Xylene   | <0.37     |           | 1.0      | 0.37 | ug/L |   |          | 11/11/24 15:56 | 1       |
| o-Xylene   | <0.18     |           | 1.0      | 0.18 | ug/L |   |          | 11/11/24 15:56 | 1       |
| Toluene  | <0.25     |           | 1.0      | 0.25 | ug/L |   |          | 11/11/24 15:56 | 1       |
| Xylenes, Total   | <0.37     |           | 1.5      | 0.37 | ug/L |   |          | 11/11/24 15:56 | 1       |
| Surrogate  | %Recovery | Qualifier | Limits   |      |      |   | Prepared | Analyzed       | Dil Fac |
| 1,2-Dichloroethane-d4 (Surr)                             | 99        |           | 70 - 130 |      |      |   |          | 11/11/24 15:56 | 1       |
| Toluene-d8 (Surr)  | 100       |           | 70 - 130 |      |      |   |          | 11/11/24 15:56 | 1       |
| 4-Bromofluorobenzene (Surr)                              | 94        |           | 70 - 130 |      |      |   |          | 11/11/24 15:56 | 1       |
| Dibromofluoromethane (Surr)                              | 99        |           | 70 - 130 |      |      |   |          | 11/11/24 15:56 | 1       |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-42  
Date Collected: 11/06/24 09:03  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-7  
Matrix: Water

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |    |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|----|
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |    |
| Benzene  | <0.23     |           | 1.0      | 0.23 ug/L |   |          | 11/11/24 16:20 | 1       | 1  |
| Ethylbenzene   | <0.21     |           | 1.0      | 0.21 ug/L |   |          | 11/11/24 16:20 | 1       | 2  |
| m&p-Xylene   | <0.37     |           | 1.0      | 0.37 ug/L |   |          | 11/11/24 16:20 | 1       | 3  |
| o-Xylene   | <0.18     |           | 1.0      | 0.18 ug/L |   |          | 11/11/24 16:20 | 1       | 4  |
| Toluene  | <0.25     |           | 1.0      | 0.25 ug/L |   |          | 11/11/24 16:20 | 1       | 5  |
| Xylenes, Total   | <0.37     |           | 1.5      | 0.37 ug/L |   |          | 11/11/24 16:20 | 1       | 6  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |    |
| 1,2-Dichloroethane-d4 (Surr)                             | 96        |           | 70 - 130 |           |   |          | 11/11/24 16:20 | 1       | 7  |
| Toluene-d8 (Surr)  | 100       |           | 70 - 130 |           |   |          | 11/11/24 16:20 | 1       | 8  |
| 4-Bromofluorobenzene (Surr)                              | 94        |           | 70 - 130 |           |   |          | 11/11/24 16:20 | 1       | 9  |
| Dibromofluoromethane (Surr)                              | 98        |           | 70 - 130 |           |   |          | 11/11/24 16:20 | 1       | 10 |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-43  
Date Collected: 11/06/24 13:01  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-8  
Matrix: Water

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |     |     |
|--|-----------|-----------|----------|-----------|---|----------|----------------|-----|-----|
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil | Fac |
| Benzene  | <0.23     |           | 1.0      | 0.23 ug/L |   |          | 11/12/24 17:03 | 1   |     |
| Ethylbenzene   | <0.21     |           | 1.0      | 0.21 ug/L |   |          | 11/12/24 17:03 | 1   |     |
| m&p-Xylene   | <0.37     |           | 1.0      | 0.37 ug/L |   |          | 11/12/24 17:03 | 1   |     |
| o-Xylene   | <0.18     |           | 1.0      | 0.18 ug/L |   |          | 11/12/24 17:03 | 1   |     |
| Toluene  | <0.25     |           | 1.0      | 0.25 ug/L |   |          | 11/12/24 17:03 | 1   |     |
| Xylenes, Total   | <0.37     |           | 1.5      | 0.37 ug/L |   |          | 11/12/24 17:03 | 1   |     |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil | Fac |
| 1,2-Dichloroethane-d4 (Surr)                             | 95        |           | 70 - 130 |           |   |          | 11/12/24 17:03 | 1   |     |
| Toluene-d8 (Surr)  | 100       |           | 70 - 130 |           |   |          | 11/12/24 17:03 | 1   |     |
| 4-Bromofluorobenzene (Surr)                              | 96        |           | 70 - 130 |           |   |          | 11/12/24 17:03 | 1   |     |
| Dibromofluoromethane (Surr)                              | 101       |           | 70 - 130 |           |   |          | 11/12/24 17:03 | 1   |     |



Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-44  
Date Collected: 11/06/24 12:49  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-9  
Matrix: Water

|  |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 20        |           | 5.0      | 1.1 ug/L  |   |          | 11/12/24 17:27 | 5       |  |
| Ethylbenzene   | 1.5       | J         | 5.0      | 1.1 ug/L  |   |          | 11/12/24 17:27 | 5       |  |
| m&p-Xylene   | <1.9      |           | 5.0      | 1.9 ug/L  |   |          | 11/12/24 17:27 | 5       |  |
| o-Xylene   | <0.91     |           | 5.0      | 0.91 ug/L |   |          | 11/12/24 17:27 | 5       |  |
| Toluene  | <1.3      |           | 5.0      | 1.3 ug/L  |   |          | 11/12/24 17:27 | 5       |  |
| Xylenes, Total   | <1.9      |           | 7.5      | 1.9 ug/L  |   |          | 11/12/24 17:27 | 5       |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 94        |           | 70 - 130 |           |   |          | 11/12/24 17:27 | 5       |  |
| Toluene-d8 (Surr)  | 100       |           | 70 - 130 |           |   |          | 11/12/24 17:27 | 5       |  |
| 4-Bromofluorobenzene (Surr)                              | 102       |           | 70 - 130 |           |   |          | 11/12/24 17:27 | 5       |  |
| Dibromofluoromethane (Surr)                              | 100       |           | 70 - 130 |           |   |          | 11/12/24 17:27 | 5       |  |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-45  
Date Collected: 11/06/24 11:52  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-10  
Matrix: Water

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |          |   |          |                |         |  |
|--|-----------|-----------|----------|----------|---|----------|----------------|---------|--|
| Analyte  | Result    | Qualifier | RL       | Unit     | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 110       |           | 10       | 2.3 ug/L |   |          | 11/12/24 17:51 | 10      |  |
| Ethylbenzene   | 2.4       | J         | 10       | 2.1 ug/L |   |          | 11/12/24 17:51 | 10      |  |
| m&p-Xylene   | 14        |           | 10       | 3.7 ug/L |   |          | 11/12/24 17:51 | 10      |  |
| o-Xylene   | 2.0       | J         | 10       | 1.8 ug/L |   |          | 11/12/24 17:51 | 10      |  |
| Toluene  | 6.0       | J         | 10       | 2.5 ug/L |   |          | 11/12/24 17:51 | 10      |  |
| Xylenes, Total   | 16        |           | 15       | 3.7 ug/L |   |          | 11/12/24 17:51 | 10      |  |
| Surrogate  | %Recovery | Qualifier | Limits   |          |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 92        |           | 70 - 130 |          |   |          | 11/12/24 17:51 | 10      |  |
| Toluene-d8 (Surr)  | 102       |           | 70 - 130 |          |   |          | 11/12/24 17:51 | 10      |  |
| 4-Bromofluorobenzene (Surr)                              | 96        |           | 70 - 130 |          |   |          | 11/12/24 17:51 | 10      |  |
| Dibromofluoromethane (Surr)                              | 98        |           | 70 - 130 |          |   |          | 11/12/24 17:51 | 10      |  |

## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-46

Lab Sample ID: 885-14967-11

Date Collected: 11/06/24 09:13

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | <0.45  |           | 2.0 | 0.45 ug/L |   |          | 11/12/24 18:40 | 2       |
| Ethylbenzene   | <0.43  |           | 2.0 | 0.43 ug/L |   |          | 11/12/24 18:40 | 2       |
| m&p-Xylene     | <0.75  |           | 2.0 | 0.75 ug/L |   |          | 11/12/24 18:40 | 2       |
| o-Xylene       | <0.36  |           | 2.0 | 0.36 ug/L |   |          | 11/12/24 18:40 | 2       |
| Toluene        | <0.50  |           | 2.0 | 0.50 ug/L |   |          | 11/12/24 18:40 | 2       |
| Xylenes, Total | <0.75  |           | 3.0 | 0.75 ug/L |   |          | 11/12/24 18:40 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 130 |          | 11/12/24 18:40 | 2       |
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 11/12/24 18:40 | 2       |
| 4-Bromofluorobenzene (Surr)  | 94        |           | 70 - 130 |          | 11/12/24 18:40 | 2       |
| Dibromofluoromethane (Surr)  | 101       |           | 70 - 130 |          | 11/12/24 18:40 | 2       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-48  
Date Collected: 11/06/24 09:30  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-12  
Matrix: Water

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 3300      |           | 50       | 11 ug/L   |   |          | 11/12/24 19:04 | 50      |  |
| Ethylbenzene   | 41        |           | 5.0      | 1.1 ug/L  |   |          | 11/12/24 19:29 | 5       |  |
| m&p-Xylene   | 4.8       | J         | 5.0      | 1.9 ug/L  |   |          | 11/12/24 19:29 | 5       |  |
| o-Xylene   | <0.91     |           | 5.0      | 0.91 ug/L |   |          | 11/12/24 19:29 | 5       |  |
| Toluene  | <1.3      |           | 5.0      | 1.3 ug/L  |   |          | 11/12/24 19:29 | 5       |  |
| Xylenes, Total   | 4.8       | J         | 7.5      | 1.9 ug/L  |   |          | 11/12/24 19:29 | 5       |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 95        |           | 70 - 130 |           |   |          | 11/12/24 19:04 | 50      |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 96        |           | 70 - 130 |           |   |          | 11/12/24 19:29 | 5       |  |
| Toluene-d8 (Surr)  | 101       |           | 70 - 130 |           |   |          | 11/12/24 19:29 | 5       |  |
| 4-Bromofluorobenzene (Surr)                              | 98        |           | 70 - 130 |           |   |          | 11/12/24 19:29 | 5       |  |
| Dibromofluoromethane (Surr)                              | 100       |           | 70 - 130 |           |   |          | 11/12/24 19:04 | 50      |  |
| Dibromofluoromethane (Surr)                              | 102       |           | 70 - 130 |           |   |          | 11/12/24 19:29 | 5       |  |

## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-50

Lab Sample ID: 885-14967-13

Date Collected: 11/06/24 12:11

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | 0.55   | J         | 2.0 | 0.45 ug/L |   |          | 11/12/24 19:53 | 2       |
| Ethylbenzene   | <0.43  |           | 2.0 | 0.43 ug/L |   |          | 11/12/24 19:53 | 2       |
| m&p-Xylene     | <0.75  |           | 2.0 | 0.75 ug/L |   |          | 11/12/24 19:53 | 2       |
| o-Xylene       | <0.36  |           | 2.0 | 0.36 ug/L |   |          | 11/12/24 19:53 | 2       |
| Toluene        | <0.50  |           | 2.0 | 0.50 ug/L |   |          | 11/12/24 19:53 | 2       |
| Xylenes, Total | <0.75  |           | 3.0 | 0.75 ug/L |   |          | 11/12/24 19:53 | 2       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 70 - 130 |          | 11/12/24 19:53 | 2       |
| Toluene-d8 (Surr)            | 99        |           | 70 - 130 |          | 11/12/24 19:53 | 2       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 70 - 130 |          | 11/12/24 19:53 | 2       |
| Dibromofluoromethane (Surr)  | 101       |           | 70 - 130 |          | 11/12/24 19:53 | 2       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-51  
Date Collected: 11/06/24 11:20  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-14  
Matrix: Water

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 710       |           | 20       | 4.5 ug/L  |   |          | 11/12/24 20:18 | 20      |  |
| Ethylbenzene   | 9.0       |           | 1.0      | 0.21 ug/L |   |          | 11/12/24 00:23 | 1       |  |
| m&p-Xylene   | 1.1       |           | 1.0      | 0.37 ug/L |   |          | 11/12/24 00:23 | 1       |  |
| o-Xylene   | 1.2       |           | 1.0      | 0.18 ug/L |   |          | 11/12/24 00:23 | 1       |  |
| Toluene  | 0.57 J    |           | 1.0      | 0.25 ug/L |   |          | 11/12/24 00:23 | 1       |  |
| Xylenes, Total   | 2.3       |           | 1.5      | 0.37 ug/L |   |          | 11/12/24 00:23 | 1       |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 95        |           | 70 - 130 |           |   |          | 11/12/24 00:23 | 1       |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 96        |           | 70 - 130 |           |   |          | 11/12/24 20:18 | 20      |  |
| Toluene-d8 (Surr)  | 101       |           | 70 - 130 |           |   |          | 11/12/24 00:23 | 1       |  |
| 4-Bromofluorobenzene (Surr)                              | 101       |           | 70 - 130 |           |   |          | 11/12/24 00:23 | 1       |  |
| Dibromofluoromethane (Surr)                              | 97        |           | 70 - 130 |           |   |          | 11/12/24 00:23 | 1       |  |
| Dibromofluoromethane (Surr)                              | 98        |           | 70 - 130 |           |   |          | 11/12/24 20:18 | 20      |  |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-52  
Date Collected: 11/06/24 10:44  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-15  
Matrix: Water

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 470       |           | 5.0      | 1.1 ug/L  |   |          | 11/12/24 21:07 | 5       |  |
| Ethylbenzene   | <1.1      |           | 5.0      | 1.1 ug/L  |   |          | 11/12/24 21:07 | 5       |  |
| m&p-Xylene   | <1.9      |           | 5.0      | 1.9 ug/L  |   |          | 11/12/24 21:07 | 5       |  |
| o-Xylene   | <0.91     |           | 5.0      | 0.91 ug/L |   |          | 11/12/24 21:07 | 5       |  |
| Toluene  | <1.3      |           | 5.0      | 1.3 ug/L  |   |          | 11/12/24 21:07 | 5       |  |
| Xylenes, Total   | <1.9      |           | 7.5      | 1.9 ug/L  |   |          | 11/12/24 21:07 | 5       |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 97        |           | 70 - 130 |           |   |          | 11/12/24 21:07 | 5       |  |
| Toluene-d8 (Surr)  | 103       |           | 70 - 130 |           |   |          | 11/12/24 21:07 | 5       |  |
| 4-Bromofluorobenzene (Surr)                              | 95        |           | 70 - 130 |           |   |          | 11/12/24 21:07 | 5       |  |
| Dibromofluoromethane (Surr)                              | 100       |           | 70 - 130 |           |   |          | 11/12/24 21:07 | 5       |  |

## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-53

Lab Sample ID: 885-14967-16

Date Collected: 11/06/24 10:11

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | 0.58   | J         | 1.0 | 0.23 ug/L |   |          | 11/12/24 01:35 | 1       |
| Ethylbenzene   | <0.21  |           | 1.0 | 0.21 ug/L |   |          | 11/12/24 01:35 | 1       |
| m&p-Xylene     | <0.37  |           | 1.0 | 0.37 ug/L |   |          | 11/12/24 01:35 | 1       |
| o-Xylene       | <0.18  |           | 1.0 | 0.18 ug/L |   |          | 11/12/24 01:35 | 1       |
| Toluene        | <0.25  |           | 1.0 | 0.25 ug/L |   |          | 11/12/24 01:35 | 1       |
| Xylenes, Total | <0.37  |           | 1.5 | 0.37 ug/L |   |          | 11/12/24 01:35 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 130 |          | 11/12/24 01:35 | 1       |
| Toluene-d8 (Surr)            | 100       |           | 70 - 130 |          | 11/12/24 01:35 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 70 - 130 |          | 11/12/24 01:35 | 1       |
| Dibromofluoromethane (Surr)  | 101       |           | 70 - 130 |          | 11/12/24 01:35 | 1       |

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## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-54

Lab Sample ID: 885-14967-17

Date Collected: 11/06/24 09:22

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | <0.23  |           | 1.0 | 0.23 ug/L |   |          | 11/12/24 01:59 | 1       |
| Ethylbenzene   | <0.21  |           | 1.0 | 0.21 ug/L |   |          | 11/12/24 01:59 | 1       |
| m&p-Xylene     | <0.37  |           | 1.0 | 0.37 ug/L |   |          | 11/12/24 01:59 | 1       |
| o-Xylene       | <0.18  |           | 1.0 | 0.18 ug/L |   |          | 11/12/24 01:59 | 1       |
| Toluene        | <0.25  |           | 1.0 | 0.25 ug/L |   |          | 11/12/24 01:59 | 1       |
| Xylenes, Total | <0.37  |           | 1.5 | 0.37 ug/L |   |          | 11/12/24 01:59 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 70 - 130 |          | 11/12/24 01:59 | 1       |
| Toluene-d8 (Surr)            | 101       |           | 70 - 130 |          | 11/12/24 01:59 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93        |           | 70 - 130 |          | 11/12/24 01:59 | 1       |
| Dibromofluoromethane (Surr)  | 100       |           | 70 - 130 |          | 11/12/24 01:59 | 1       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-55  
Date Collected: 11/06/24 09:46  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-18  
Matrix: Water

|  |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 6.1       |           | 1.0      | 0.23 ug/L |   |          | 11/12/24 02:23 | 1       |  |
| Ethylbenzene   | <0.21     |           | 1.0      | 0.21 ug/L |   |          | 11/12/24 02:23 | 1       |  |
| m&p-Xylene   | 0.73      | J         | 1.0      | 0.37 ug/L |   |          | 11/12/24 02:23 | 1       |  |
| o-Xylene   | 0.31      | J         | 1.0      | 0.18 ug/L |   |          | 11/12/24 02:23 | 1       |  |
| Toluene  | 4.3       |           | 1.0      | 0.25 ug/L |   |          | 11/12/24 02:23 | 1       |  |
| Xylenes, Total   | 1.0       | J         | 1.5      | 0.37 ug/L |   |          | 11/12/24 02:23 | 1       |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 91        |           | 70 - 130 |           |   |          | 11/12/24 02:23 | 1       |  |
| Toluene-d8 (Surr)  | 103       |           | 70 - 130 |           |   |          | 11/12/24 02:23 | 1       |  |
| 4-Bromofluorobenzene (Surr)                              | 99        |           | 70 - 130 |           |   |          | 11/12/24 02:23 | 1       |  |
| Dibromofluoromethane (Surr)                              | 94        |           | 70 - 130 |           |   |          | 11/12/24 02:23 | 1       |  |



## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-57

Lab Sample ID: 885-14967-19

Date Collected: 11/06/24 13:11

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | <0.23  |           | 1.0 | 0.23 ug/L |   |          | 11/12/24 02:48 | 1       |
| Ethylbenzene   | <0.21  |           | 1.0 | 0.21 ug/L |   |          | 11/12/24 02:48 | 1       |
| m&p-Xylene     | <0.37  |           | 1.0 | 0.37 ug/L |   |          | 11/12/24 02:48 | 1       |
| o-Xylene       | <0.18  |           | 1.0 | 0.18 ug/L |   |          | 11/12/24 02:48 | 1       |
| Toluene        | <0.25  |           | 1.0 | 0.25 ug/L |   |          | 11/12/24 02:48 | 1       |
| Xylenes, Total | <0.37  |           | 1.5 | 0.37 ug/L |   |          | 11/12/24 02:48 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95        |           | 70 - 130 |          | 11/12/24 02:48 | 1       |
| Toluene-d8 (Surr)            | 97        |           | 70 - 130 |          | 11/12/24 02:48 | 1       |
| 4-Bromofluorobenzene (Surr)  | 91        |           | 70 - 130 |          | 11/12/24 02:48 | 1       |
| Dibromofluoromethane (Surr)  | 102       |           | 70 - 130 |          | 11/12/24 02:48 | 1       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-58  
Date Collected: 11/06/24 12:31  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-20  
Matrix: Water

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 8800      |           | 500      | 110 ug/L  |   |          | 11/12/24 20:42 | 500     |  |
| Ethylbenzene   | 130       |           | 5.0      | 1.1 ug/L  |   |          | 11/12/24 03:36 | 5       |  |
| m&p-Xylene   | 150       |           | 5.0      | 1.9 ug/L  |   |          | 11/12/24 03:36 | 5       |  |
| o-Xylene   | 29        |           | 5.0      | 0.91 ug/L |   |          | 11/12/24 03:36 | 5       |  |
| Toluene  | 45        |           | 5.0      | 1.3 ug/L  |   |          | 11/12/24 03:36 | 5       |  |
| Xylenes, Total   | 180       |           | 7.5      | 1.9 ug/L  |   |          | 11/12/24 03:36 | 5       |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 90        |           | 70 - 130 |           |   |          | 11/12/24 03:36 | 5       |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 95        |           | 70 - 130 |           |   |          | 11/12/24 20:42 | 500     |  |
| Toluene-d8 (Surr)  | 103       |           | 70 - 130 |           |   |          | 11/12/24 03:36 | 5       |  |
| 4-Bromofluorobenzene (Surr)                              | 103       |           | 70 - 130 |           |   |          | 11/12/24 03:36 | 5       |  |
| Dibromofluoromethane (Surr)                              | 94        |           | 70 - 130 |           |   |          | 11/12/24 03:36 | 5       |  |
| Dibromofluoromethane (Surr)                              | 100       |           | 70 - 130 |           |   |          | 11/12/24 20:42 | 500     |  |

## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-61

Lab Sample ID: 885-14967-21

Date Collected: 11/06/24 13:50

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|----------|---|----------|----------------|---------|
| Benzene        | 4400   |           | 50  | 11 ug/L  |   |          | 11/12/24 21:31 | 50      |
| Ethylbenzene   | 160    |           | 5.0 | 1.1 ug/L |   |          | 11/12/24 21:55 | 5       |
| m&p-Xylene     | 2000   |           | 50  | 19 ug/L  |   |          | 11/12/24 21:31 | 50      |
| o-Xylene       | 490    |           | 50  | 9.1 ug/L |   |          | 11/12/24 21:31 | 50      |
| Toluene        | 5000   |           | 50  | 13 ug/L  |   |          | 11/12/24 21:31 | 50      |
| Xylenes, Total | 2500   |           | 75  | 19 ug/L  |   |          | 11/12/24 21:31 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 90        |           | 70 - 130 |          | 11/12/24 21:31 | 50      |
| Toluene-d8 (Surr)            | 106       |           | 70 - 130 |          | 11/12/24 21:31 | 50      |
| Toluene-d8 (Surr)            | 110       |           | 70 - 130 |          | 11/12/24 21:55 | 5       |
| 4-Bromofluorobenzene (Surr)  | 103       |           | 70 - 130 |          | 11/12/24 21:31 | 50      |
| Dibromofluoromethane (Surr)  | 95        |           | 70 - 130 |          | 11/12/24 21:31 | 50      |

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## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-62

Lab Sample ID: 885-14967-22

Date Collected: 11/06/24 13:40

Matrix: Water

Date Received: 11/07/24 15:17

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

| Analyte        | Result | Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|-----------|---|----------|----------------|---------|
| Benzene        | 13000  |           | 500 | 110 ug/L  |   |          | 11/13/24 13:34 | 500     |
| Ethylbenzene   | 210    |           | 5.0 | 1.1 ug/L  |   |          | 11/12/24 22:44 | 5       |
| m&p-Xylene     | 2.3    | J         | 5.0 | 1.9 ug/L  |   |          | 11/12/24 22:44 | 5       |
| o-Xylene       | 1.9    | J         | 5.0 | 0.91 ug/L |   |          | 11/12/24 22:44 | 5       |
| Toluene        | 1.3    | J         | 5.0 | 1.3 ug/L  |   |          | 11/12/24 22:44 | 5       |
| Xylenes, Total | 4.2    | J         | 7.5 | 1.9 ug/L  |   |          | 11/12/24 22:44 | 5       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 90        |           | 70 - 130 |          | 11/12/24 22:44 | 5       |
| 1,2-Dichloroethane-d4 (Surr) | 92        |           | 70 - 130 |          | 11/13/24 13:34 | 500     |
| Toluene-d8 (Surr)            | 103       |           | 70 - 130 |          | 11/12/24 22:44 | 5       |
| 4-Bromofluorobenzene (Surr)  | 104       |           | 70 - 130 |          | 11/12/24 22:44 | 5       |
| Dibromofluoromethane (Surr)  | 93        |           | 70 - 130 |          | 11/12/24 22:44 | 5       |
| Dibromofluoromethane (Surr)  | 99        |           | 70 - 130 |          | 11/13/24 13:34 | 500     |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Client Sample ID: MW-63      Lab Sample ID: 885-14967-23  
Date Collected: 11/06/24 10:25      Matrix: Water  
Date Received: 11/07/24 15:17

| Method: SW846 8260B - Volatile Organic Compounds (GC/MS) |           |           |          |           |   |          |                |         |  |
|--|-----------|-----------|----------|-----------|---|----------|----------------|---------|--|
| Analyte  | Result    | Qualifier | RL       | Unit      | D | Prepared | Analyzed       | Dil Fac |  |
| Benzene  | 2.1       |           | 2.0      | 0.45 ug/L |   |          | 11/12/24 23:32 | 2       |  |
| Ethylbenzene   | <0.43     |           | 2.0      | 0.43 ug/L |   |          | 11/12/24 23:32 | 2       |  |
| m&p-Xylene   | <0.75     |           | 2.0      | 0.75 ug/L |   |          | 11/12/24 23:32 | 2       |  |
| o-Xylene   | <0.36     |           | 2.0      | 0.36 ug/L |   |          | 11/12/24 23:32 | 2       |  |
| Toluene  | <0.50     |           | 2.0      | 0.50 ug/L |   |          | 11/12/24 23:32 | 2       |  |
| Xylenes, Total   | <0.75     |           | 3.0      | 0.75 ug/L |   |          | 11/12/24 23:32 | 2       |  |
| Surrogate  | %Recovery | Qualifier | Limits   |           |   | Prepared | Analyzed       | Dil Fac |  |
| 1,2-Dichloroethane-d4 (Surr)                             | 96        |           | 70 - 130 |           |   |          | 11/12/24 23:32 | 2       |  |
| Toluene-d8 (Surr)  | 100       |           | 70 - 130 |           |   |          | 11/12/24 23:32 | 2       |  |
| 4-Bromofluorobenzene (Surr)                              | 99        |           | 70 - 130 |           |   |          | 11/12/24 23:32 | 2       |  |
| Dibromofluoromethane (Surr)                              | 100       |           | 70 - 130 |           |   |          | 11/12/24 23:32 | 2       |  |



## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

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

Lab Sample ID: MB 885-15667/6

Matrix: Water

Analysis Batch: 15667

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte        | MB Result | MB Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|-----------|--------------|-----|-----------|---|----------|----------------|---------|
| Benzene        | <0.23     |              | 1.0 | 0.23 ug/L |   |          | 11/11/24 12:16 | 1       |
| Ethylbenzene   | <0.21     |              | 1.0 | 0.21 ug/L |   |          | 11/11/24 12:16 | 1       |
| m&p-Xylene     | <0.37     |              | 1.0 | 0.37 ug/L |   |          | 11/11/24 12:16 | 1       |
| o-Xylene       | <0.18     |              | 1.0 | 0.18 ug/L |   |          | 11/11/24 12:16 | 1       |
| Toluene        | <0.25     |              | 1.0 | 0.25 ug/L |   |          | 11/11/24 12:16 | 1       |
| Xylenes, Total | <0.37     |              | 1.5 | 0.37 ug/L |   |          | 11/11/24 12:16 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 95           |              | 70 - 130 |          | 11/11/24 12:16 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 70 - 130 |          | 11/11/24 12:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 92           |              | 70 - 130 |          | 11/11/24 12:16 | 1       |
| Dibromofluoromethane (Surr)  | 97           |              | 70 - 130 |          | 11/11/24 12:16 | 1       |

Lab Sample ID: LCS 885-15667/5

Matrix: Water

Analysis Batch: 15667

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Benzene | 20.1        | 19.4       |               | ug/L |   | 96   | 70 - 130    |
| Toluene | 20.2        | 20.3       |               | ug/L |   | 101  | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95            |               | 70 - 130 |
| Toluene-d8 (Surr)            | 100           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 93            |               | 70 - 130 |
| Dibromofluoromethane (Surr)  | 97            |               | 70 - 130 |

Lab Sample ID: 885-14967-14 MS

Matrix: Water

Analysis Batch: 15667

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 | 710           | E                | 20.1        | 729       | E 4          | ug/L |   | 111  | 70 - 130    |
| Toluene | 0.57          | J                | 20.2        | 24.8      |              | ug/L |   | 120  | 70 - 130    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 94           |              | 70 - 130 |
| Toluene-d8 (Surr)            | 103          |              | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 104          |              | 70 - 130 |
| Dibromofluoromethane (Surr)  | 99           |              | 70 - 130 |

Lab Sample ID: 885-14967-14 MSD

Matrix: Water

Analysis Batch: 15667

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 | 710           | E                | 20.1        | 708        | E 4           | ug/L |   | 5    | 70 - 130    | 3   | 20        |
| Toluene | 0.57          | J                | 20.2        | 23.9       |               | ug/L |   | 116  | 70 - 130    | 4   | 20        |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

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

| Surrogate                    | MSD<br>%Recovery | MSD<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98               |                  | 70 - 130 |
| Toluene-d8 (Surr)            | 102              |                  | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 103              |                  | 70 - 130 |
| Dibromofluoromethane (Surr)  | 99               |                  | 70 - 130 |

Lab Sample ID: MB 885-15780/6  
Matrix: Water  
Analysis Batch: 15780

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

| Analyte        | MB<br>Result | MB<br>Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|-----|-----------|---|----------|----------------|---------|
| Benzene        | <0.23        |                 | 1.0 | 0.23 ug/L |   |          | 11/12/24 15:00 | 1       |
| Ethylbenzene   | <0.21        |                 | 1.0 | 0.21 ug/L |   |          | 11/12/24 15:00 | 1       |
| m&p-Xylene     | <0.37        |                 | 1.0 | 0.37 ug/L |   |          | 11/12/24 15:00 | 1       |
| o-Xylene       | <0.18        |                 | 1.0 | 0.18 ug/L |   |          | 11/12/24 15:00 | 1       |
| Toluene        | <0.25        |                 | 1.0 | 0.25 ug/L |   |          | 11/12/24 15:00 | 1       |
| Xylenes, Total | <0.37        |                 | 1.5 | 0.37 ug/L |   |          | 11/12/24 15:00 | 1       |

| Surrogate                    | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97              |                 | 70 - 130 |          | 11/12/24 15:00 | 1       |
| Toluene-d8 (Surr)            | 99              |                 | 70 - 130 |          | 11/12/24 15:00 | 1       |
| 4-Bromofluorobenzene (Surr)  | 94              |                 | 70 - 130 |          | 11/12/24 15:00 | 1       |
| Dibromofluoromethane (Surr)  | 98              |                 | 70 - 130 |          | 11/12/24 15:00 | 1       |

Lab Sample ID: LCS 885-15780/5  
Matrix: Water  
Analysis Batch: 15780

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

| Analyte | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|---------|----------------|---------------|------------------|------|---|------|----------------|
| Benzene | 20.1           | 19.2          |                  | ug/L |   | 95   | 70 - 130       |
| Toluene | 20.2           | 20.2          |                  | ug/L |   | 100  | 70 - 130       |

| Surrogate                    | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|------------------------------|------------------|------------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 96               |                  | 70 - 130 |
| Toluene-d8 (Surr)            | 101              |                  | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 88               |                  | 70 - 130 |
| Dibromofluoromethane (Surr)  | 99               |                  | 70 - 130 |

Lab Sample ID: 885-14967-15 MS  
Matrix: Water  
Analysis Batch: 15780

Client Sample ID: MW-52  
Prep Type: Total/NA

| Analyte | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec  | %Rec<br>Limits |
|---------|------------------|---------------------|----------------|--------------|-----------------|------|---|-------|----------------|
| Benzene | 470              |                     | 20.1           | 114          | E 4             | ug/L |   | -1781 | 70 - 130       |
| Toluene | <1.3             |                     | 20.2           | 20.7         |                 | ug/L |   | 103   | 70 - 130       |

| Surrogate                    | MS<br>%Recovery | MS<br>Qualifier | Limits   |
|------------------------------|-----------------|-----------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 94              |                 | 70 - 130 |
| Toluene-d8 (Surr)            | 103             |                 | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 97              |                 | 70 - 130 |
| Dibromofluoromethane (Surr)  | 98              |                 | 70 - 130 |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

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

Lab Sample ID: 885-14967-15 MSD

Matrix: Water

Analysis Batch: 15780

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 | 470           |                  | 20.1        | 113        | E 4           | ug/L |   | -1784 | 70 - 130    | 1   | 20        |
| Toluene | <1.3          |                  | 20.2        | 20.0       |               | ug/L |   | 99    | 70 - 130    | 4   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 95            |               | 70 - 130 |
| Toluene-d8 (Surr)            | 102           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 95            |               | 70 - 130 |
| Dibromofluoromethane (Surr)  | 98            |               | 70 - 130 |

Lab Sample ID: MB 885-15852/6

Matrix: Water

Analysis Batch: 15852

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte        | MB Result | MB Qualifier | RL  | Unit      | D | Prepared | Analyzed       | Dil Fac |
|----------------|-----------|--------------|-----|-----------|---|----------|----------------|---------|
| Benzene        | <0.23     |              | 1.0 | 0.23 ug/L |   |          | 11/13/24 13:09 | 1       |
| Ethylbenzene   | <0.21     |              | 1.0 | 0.21 ug/L |   |          | 11/13/24 13:09 | 1       |
| m&p-Xylene     | <0.37     |              | 1.0 | 0.37 ug/L |   |          | 11/13/24 13:09 | 1       |
| o-Xylene       | <0.18     |              | 1.0 | 0.18 ug/L |   |          | 11/13/24 13:09 | 1       |
| Toluene        | <0.25     |              | 1.0 | 0.25 ug/L |   |          | 11/13/24 13:09 | 1       |
| Xylenes, Total | <0.37     |              | 1.5 | 0.37 ug/L |   |          | 11/13/24 13:09 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 92           |              | 70 - 130 |          | 11/13/24 13:09 | 1       |
| Toluene-d8 (Surr)            | 100          |              | 70 - 130 |          | 11/13/24 13:09 | 1       |
| 4-Bromofluorobenzene (Surr)  | 93           |              | 70 - 130 |          | 11/13/24 13:09 | 1       |
| Dibromofluoromethane (Surr)  | 99           |              | 70 - 130 |          | 11/13/24 13:09 | 1       |

Lab Sample ID: LCS 885-15852/5

Matrix: Water

Analysis Batch: 15852

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|------|---|------|-------------|
| Benzene | 20.1        | 18.5       |               | ug/L |   | 92   | 70 - 130    |
| Toluene | 20.2        | 19.8       |               | ug/L |   | 98   | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 93            |               | 70 - 130 |
| Toluene-d8 (Surr)            | 100           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 95            |               | 70 - 130 |
| Dibromofluoromethane (Surr)  | 97            |               | 70 - 130 |

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## QC Association Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

## GC/MS VOA

## Analysis Batch: 15667

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 885-14967-1      | TB-01              | Total/NA  | Water  | 8260B  |            |
| 885-14967-2      | DUP-01             | Total/NA  | Water  | 8260B  |            |
| 885-14967-3      | DUP-02             | Total/NA  | Water  | 8260B  |            |
| 885-14967-4      | MW-23              | Total/NA  | Water  | 8260B  |            |
| 885-14967-4      | MW-23              | Total/NA  | Water  | 8260B  |            |
| 885-14967-5      | MW-40              | Total/NA  | Water  | 8260B  |            |
| 885-14967-6      | MW-41              | Total/NA  | Water  | 8260B  |            |
| 885-14967-7      | MW-42              | Total/NA  | Water  | 8260B  |            |
| 885-14967-14     | MW-51              | Total/NA  | Water  | 8260B  |            |
| 885-14967-16     | MW-53              | Total/NA  | Water  | 8260B  |            |
| 885-14967-17     | MW-54              | Total/NA  | Water  | 8260B  |            |
| 885-14967-18     | MW-55              | Total/NA  | Water  | 8260B  |            |
| 885-14967-19     | MW-57              | Total/NA  | Water  | 8260B  |            |
| 885-14967-20     | MW-58              | Total/NA  | Water  | 8260B  |            |
| MB 885-15667/6   | Method Blank       | Total/NA  | Water  | 8260B  |            |
| LCS 885-15667/5  | Lab Control Sample | Total/NA  | Water  | 8260B  |            |
| 885-14967-14 MS  | MW-51              | Total/NA  | Water  | 8260B  |            |
| 885-14967-14 MSD | MW-51              | Total/NA  | Water  | 8260B  |            |

## Analysis Batch: 15780

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| 885-14967-2      | DUP-01             | Total/NA  | Water  | 8260B  |            |
| 885-14967-3      | DUP-02             | Total/NA  | Water  | 8260B  |            |
| 885-14967-4      | MW-23              | Total/NA  | Water  | 8260B  |            |
| 885-14967-8      | MW-43              | Total/NA  | Water  | 8260B  |            |
| 885-14967-9      | MW-44              | Total/NA  | Water  | 8260B  |            |
| 885-14967-10     | MW-45              | Total/NA  | Water  | 8260B  |            |
| 885-14967-11     | MW-46              | Total/NA  | Water  | 8260B  |            |
| 885-14967-12     | MW-48              | Total/NA  | Water  | 8260B  |            |
| 885-14967-12     | MW-48              | Total/NA  | Water  | 8260B  |            |
| 885-14967-13     | MW-50              | Total/NA  | Water  | 8260B  |            |
| 885-14967-14     | MW-51              | Total/NA  | Water  | 8260B  |            |
| 885-14967-15     | MW-52              | Total/NA  | Water  | 8260B  |            |
| 885-14967-20     | MW-58              | Total/NA  | Water  | 8260B  |            |
| 885-14967-21     | MW-61              | Total/NA  | Water  | 8260B  |            |
| 885-14967-21     | MW-61              | Total/NA  | Water  | 8260B  |            |
| 885-14967-22     | MW-62              | Total/NA  | Water  | 8260B  |            |
| 885-14967-23     | MW-63              | Total/NA  | Water  | 8260B  |            |
| MB 885-15780/6   | Method Blank       | Total/NA  | Water  | 8260B  |            |
| LCS 885-15780/5  | Lab Control Sample | Total/NA  | Water  | 8260B  |            |
| 885-14967-15 MS  | MW-52              | Total/NA  | Water  | 8260B  |            |
| 885-14967-15 MSD | MW-52              | Total/NA  | Water  | 8260B  |            |

## Analysis Batch: 15852

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-14967-22    | MW-62              | Total/NA  | Water  | 8260B  |            |
| MB 885-15852/6  | Method Blank       | Total/NA  | Water  | 8260B  |            |
| LCS 885-15852/5 | Lab Control Sample | Total/NA  | Water  | 8260B  |            |

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## Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

**Client Sample ID: TB-01****Lab Sample ID: 885-14967-1****Date Collected: 11/06/24 07:00****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/11/24 12:41       |

**Client Sample ID: DUP-01****Lab Sample ID: 885-14967-2****Date Collected: 11/06/24 00:00****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/11/24 13:05       |
| Total/NA  | Analysis   | 8260B        |     | 200             | 15780        | CM      | EET ALB | 11/12/24 16:38       |

**Client Sample ID: DUP-02****Lab Sample ID: 885-14967-3****Date Collected: 11/06/24 00:00****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/11/24 13:30       |
| Total/NA  | Analysis   | 8260B        |     | 10              | 15780        | CM      | EET ALB | 11/12/24 16:14       |

**Client Sample ID: MW-23****Lab Sample ID: 885-14967-4****Date Collected: 11/06/24 11:39****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 20              | 15667        | CM      | EET ALB | 11/11/24 14:19       |
| Total/NA  | Analysis   | 8260B        |     | 2               | 15667        | CM      | EET ALB | 11/11/24 14:43       |
| Total/NA  | Analysis   | 8260B        |     | 200             | 15780        | CM      | EET ALB | 11/12/24 15:50       |

**Client Sample ID: MW-40****Lab Sample ID: 885-14967-5****Date Collected: 11/06/24 08:43****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/11/24 15:32       |

**Client Sample ID: MW-41****Lab Sample ID: 885-14967-6****Date Collected: 11/06/24 08:53****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/11/24 15:56       |

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## Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

**Client Sample ID: MW-42****Date Collected: 11/06/24 09:03****Date Received: 11/07/24 15:17****Lab Sample ID: 885-14967-7****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/11/24 16:20       |

**Client Sample ID: MW-43****Date Collected: 11/06/24 13:01****Date Received: 11/07/24 15:17****Lab Sample ID: 885-14967-8****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15780        | CM      | EET ALB | 11/12/24 17:03       |

**Client Sample ID: MW-44****Date Collected: 11/06/24 12:49****Date Received: 11/07/24 15:17****Lab Sample ID: 885-14967-9****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 5               | 15780        | CM      | EET ALB | 11/12/24 17:27       |

**Client Sample ID: MW-45****Date Collected: 11/06/24 11:52****Date Received: 11/07/24 15:17****Lab Sample ID: 885-14967-10****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 10              | 15780        | CM      | EET ALB | 11/12/24 17:51       |

**Client Sample ID: MW-46****Date Collected: 11/06/24 09:13****Date Received: 11/07/24 15:17****Lab Sample ID: 885-14967-11****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 2               | 15780        | CM      | EET ALB | 11/12/24 18:40       |

**Client Sample ID: MW-48****Date Collected: 11/06/24 09:30****Date Received: 11/07/24 15:17****Lab Sample ID: 885-14967-12****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 50              | 15780        | CM      | EET ALB | 11/12/24 19:04       |
| Total/NA  | Analysis   | 8260B        |     | 5               | 15780        | CM      | EET ALB | 11/12/24 19:29       |

**Client Sample ID: MW-50****Date Collected: 11/06/24 12:11****Date Received: 11/07/24 15:17****Lab Sample ID: 885-14967-13****Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 2               | 15780        | CM      | EET ALB | 11/12/24 19:53       |

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## Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

**Client Sample ID: MW-51****Lab Sample ID: 885-14967-14****Date Collected: 11/06/24 11:20****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/12/24 00:23       |
| Total/NA  | Analysis   | 8260B        |     | 20              | 15780        | CM      | EET ALB | 11/12/24 20:18       |

**Client Sample ID: MW-52****Lab Sample ID: 885-14967-15****Date Collected: 11/06/24 10:44****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 5               | 15780        | CM      | EET ALB | 11/12/24 21:07       |

**Client Sample ID: MW-53****Lab Sample ID: 885-14967-16****Date Collected: 11/06/24 10:11****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/12/24 01:35       |

**Client Sample ID: MW-54****Lab Sample ID: 885-14967-17****Date Collected: 11/06/24 09:22****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/12/24 01:59       |

**Client Sample ID: MW-55****Lab Sample ID: 885-14967-18****Date Collected: 11/06/24 09:46****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/12/24 02:23       |

**Client Sample ID: MW-57****Lab Sample ID: 885-14967-19****Date Collected: 11/06/24 13:11****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 1               | 15667        | CM      | EET ALB | 11/12/24 02:48       |

**Client Sample ID: MW-58****Lab Sample ID: 885-14967-20****Date Collected: 11/06/24 12:31****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 5               | 15667        | CM      | EET ALB | 11/12/24 03:36       |
| Total/NA  | Analysis   | 8260B        |     | 500             | 15780        | CM      | EET ALB | 11/12/24 20:42       |

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Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

**Client Sample ID: MW-61**  
**Date Collected: 11/06/24 13:50**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-21**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 50              | 15780        | CM      | EET ALB | 11/12/24 21:31       |
| Total/NA  | Analysis   | 8260B        |     | 5               | 15780        | CM      | EET ALB | 11/12/24 21:55       |

**Client Sample ID: MW-62**  
**Date Collected: 11/06/24 13:40**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-22**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 5               | 15780        | CM      | EET ALB | 11/12/24 22:44       |
| Total/NA  | Analysis   | 8260B        |     | 500             | 15852        | CM      | EET ALB | 11/13/24 13:34       |

**Client Sample ID: MW-63**  
**Date Collected: 11/06/24 10:25**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-23**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 8260B        |     | 2               | 15780        | CM      | EET ALB | 11/12/24 23:32       |

**Laboratory References:**  
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority   | Program     | Identification Number | Expiration Date |
|---|-------------|-----------------------|-----------------|
| New Mexico  | State       | NM9425, NM0901        | 02-26-25        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method   | Prep Method | Matrix                | Analyte         |
| 8260B   |             | Water                 | Benzene         |
| 8260B   |             | Water                 | Ethylbenzene    |
| 8260B   |             | Water                 | m&p-Xylene      |
| 8260B   |             | Water                 | o-Xylene        |
| 8260B   |             | Water                 | Toluene         |
| 8260B   |             | Water                 | Xylenes, Total  |
| Oregon  | NELAP       | NM100001              | 02-26-25        |

Chain of Custody Record



|  |  |  |  |   |  |  |  |   |  |
|--|--|--|--|---|--|--|--|---|--|
| <b>Client Information</b>                                      |  | Sampler: Sean Clary  |  | Lab PM: Upton, Catherine  |  | Carrier Tracking No(s):  |  | COC No: 885-2285-388.1                                  |  |
| Client Contact: Steve Varsa                                    |  | Phone: 913 980 0281  |  | E-Mail: Catherine.upton@eurofins.com  |  | State of Origin: NM  |  | Page: Page 1 of 3                                       |  |
| Company: Stantec Consulting Services, Inc.                     |  | PWSID:   |  | Analysis Requested  |  | Job #:   |  | Preservation Codes:<br>S - H2SO4<br>A - HCL<br>N - None |  |
| Address: 11311 Aurora Avenue                                   |  | Due Date Requested:  |  | Field Filtered Sample (Yes or No)   |  | 300 OF 28D NO3 - Nitrate + Nitrite as N  |  | 8260B - (MOD) BTEX                                      |  |
| City: Des Moines   |  | TAT Requested (days): STD  |  | Perform MS/MSD (Yes or No)  |  | 8260B - (MOD) BTEX   |  | Total Number of Containers                              |  |
| State, Zip: IA, 50322-7904                                     |  | Compliance Project: Δ Yes Δ No   |  | Sample Date   |  | Sample Time  |  | Sample Type (C=Comp, G=grab)                            |  |
| Phone: 515 253 0830  |  | PO #: WD1141626  |  | Sample Date   |  | Sample Time  |  | Matrix (W=water, S=solid, O=wastef, BT=Tissue, A=Air)   |  |
| Email: steve.varsa@stantec.com                                 |  | WO #: 88502497   |  | Sample Date   |  | Sample Time  |  | Preservation Code:                                      |  |
| Project Name: KM - Blanco North                                |  | SSOW#: See ARF   |  | Sample Date   |  | Sample Time  |  | Special Instructions/Note:                              |  |
| Site:  |  |  |  | Sample Date   |  | Sample Time  |  | Special Instructions/Note:                              |  |
| Sample Identification  |  | Sample Date  |  | Sample Time   |  | Sample Type (C=Comp, G=grab)   |  | Matrix (W=water, S=solid, O=wastef, BT=Tissue, A=Air)   |  |
| TB-01  |  | 11-6-2024  |  | 0700  |  | G  |  | Water   |  |
| DUP-01   |  | 11-6-2024  |  | —   |  | G  |  | Water   |  |
| DUP-02   |  | 11-6-2024  |  | —   |  | G  |  | Water   |  |
| MW-23  |  | 11-6-2024  |  | 1139  |  | G  |  | Water   |  |
| MW-40  |  | 11-6-2024  |  | 0843  |  | G  |  | Water   |  |
| MW-41  |  | 11-6-2024  |  | 0853  |  | G  |  | Water   |  |
| MW-42  |  | 11-6-2024  |  | 0903  |  | G  |  | Water   |  |
| MW-43  |  | 11-6-2024  |  | 1301  |  | G  |  | Water   |  |
| MW-44  |  | 11-6-2024  |  | 1244  |  | G  |  | Water   |  |
| MW-45  |  | 11-6-2024  |  | 1152  |  | G  |  | Water   |  |
| MW-46  |  | 11-6-2024  |  | 0913  |  | G  |  | Water   |  |
| Possible Hazard Identification                                 |  | Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) |  | Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For _____ Months |  | Special Instructions/Note:                              |  |
| Deliverable Requested: I, II, III, IV, Other (Specify) See ARF |  | Empty Kit Relinquished by:   |  | Date:   |  | Time:  |  | Method of Shipment:                                     |  |
| Relinquished by: Sean Clary                                    |  | Date/Time: 11-6-2024 1446  |  | Company: STN  |  | Received by: Matthew Waite   |  | Date/Time: 11-6-24 1446                                 |  |
| Relinquished by: Matthew Waite                                 |  | Date/Time: 11-6-24 1711  |  | Company:  |  | Received by: SCW   |  | Date/Time: 11/7/24 0750                                 |  |
| Relinquished by:   |  | Date/Time:   |  | Company:  |  | Received by:   |  | Date/Time:  |  |
| Custody Seals Intact: Δ Yes Δ No                               |  | Custody Seal No.:  |  | Cooler Temperature(s) °C and Other Remarks: 1-0-0-1-0-9-9-0                         |  | MOTO   |  | ICE   |  |



Chain of Custody Record

|  |           |  |             |   |  |  |   |   |                            |                            |
|--|-----------|--|-------------|---|--|--|---|---|----------------------------|----------------------------|
| <b>Client Information</b>                              |           | Sampler: Sean Clary  |             | Lab PM: Upton, Catherine  |  | Carrier Tracking No(s):  |   | COC No: 885-2285-388.1                      |                            |                            |
| Client Contact: Steve Varsa                            |           | Phone: 913 920-0231  |             | E-Mail: Catherine.upton@et.eurofins.com   |  | State of Origin: NM  |   | Page: 2<br>Page 1 of 43                     |                            |                            |
| Company: Stantec Consulting Services, Inc.             |           | PWSID:   |             | Analysis Requested  |  |  |   | Job #:                                      |                            |                            |
| Address: 11311 Aurora Avenue                           |           | Due Date Requested:  |             |   |  |  |   | Preservation Codes:<br>S - H2SO4<br>A - HCL |                            |                            |
| City: Des Moines                                       |           | TAT Requested (days): 5TD  |             |   |  |  |   | Other:                                      |                            |                            |
| State, Zip: IA, 50322-7904                             |           | Compliance Project: Δ Yes Δ No   |             |   |  |  |   |   |                            |                            |
| Phone: 515 253 0330                                    |           | PO #: WD1141626  |             |   |  |  |   |   |                            |                            |
| Email: steve.varsa@stantec.com                         |           | WO #:  |             |   |  |  |   |   |                            |                            |
| Project Name: KIM - Blanco North                       |           | Project #: 88502497  |             |   |  |  |   |   |                            |                            |
| Site:  |           | 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 OF 28D NO3 - Nitrate + Nitrite as N | 8260B - (MOD) BTEX                          | Total Number of containers | Special Instructions/Note: |
| MW-48  | 11-6-2024 | 0930   | G           | Water   |  |  |   |   | 3                          |                            |
| MW-50  | 11-6-2024 | 1211   | G           | Water   |  |  |   |   | 3                          |                            |
| MW-51  | 11-6-2024 | 1120   | G           | Water   |  |  |   |   | 7                          | MSMSD                      |
| MW-52  | 11-6-2024 | 1044   | G           | Water   |  |  |   |   | 3                          | MSMSD                      |
| MW-53  | 11-6-2024 | 1011   | G           | Water   |  |  |   |   | 3                          |                            |
| MW-54  | 11-6-2024 | 0922   | G           | Water   |  |  |   |   | 3                          |                            |
| MW-55  | 11-6-2024 | 0946   | G           | Water   |  |  |   |   | 3                          |                            |
| MW-57  | 11-6-2024 | 1311   | G           | Water   |  |  |   |   | 3                          |                            |
| MW-58  | 11-6-2024 | 1231   | G           | Water   |  |  |   |   | 3                          |                            |
| MW-61  | 11-6-2024 | 1350   | G           | Water   |  |  |   |   | 3                          |                            |
| MW-62  | 11-6-2024 | 1340   | G           | Water   |  |  |   |   | 3                          |                            |
| Possible Hazard Identification                         |           | Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> |             | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) |  | Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months |   |   |                            |                            |
| Deliverable Requested: I, II, III, IV, Other (Specify) |           | See ARK  |             | Special Instructions/QC Requirements:   |  |  |   |   |                            |                            |
| Empty Kit Relinquished by:                             |           | Date:  |             | Time:   |  | Method of Shipment:  |   |   |                            |                            |
| Relinquished by: Ann R Clary                           |           | Date/Time: 11-6-2024 1446  |             | Company: STN  |  | Relinquished by: Munt Wabbe  |   | Date/Time: 11-6-24 1446                     |                            | Company: Eurofins          |
| Relinquished by: Munt Wabbe                            |           | Date/Time: 11-6-24 1711  |             | Company:  |  | Relinquished by: C. SCM  |   | Date/Time: 11/7/24 0750                     |                            | Company: COURIER           |
| Relinquished by:                                       |           | Date/Time:   |             | Company:  |  | Relinquished by:   |   | Date/Time:                                  |                            | Company:                   |
| Custody Seals Intact: Δ Yes Δ No                       |           | Custody Seal No.:  |             | Cooler Temperature(s) °C and Other Remarks: 1.0-0.1 = 0.9°C                         |  | MJO  |   | 10  |                            | Ver: 05/06/2024            |



[illegible]

## Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 885-14967-1

Login Number: 14967

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

| Question   | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| 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   |         |
| 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.  | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.  | N/A    |         |



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 11/21/2024 1:49:08 PM

## JOB DESCRIPTION

KM - Blanco North

## JOB NUMBER

885-14967-2

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

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 South Central, LLC Project Manager.

## Authorization



Generated  
11/21/2024 1:49:08 PM

Authorized for release by  
Andy Freeman, Business Unit Manager  
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Designee for  
Catherine Upton, Project Manager  
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(505)345-3975

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Laboratory Job ID: 885-14967-2

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| QC Sample Results . . . . .      | 28 |
| QC Association Summary . . . . . | 30 |
| Lab Chronicle . . . . .          | 31 |
| Certification Summary . . . . .  | 35 |
| Chain of Custody . . . . .       | 36 |
| Receipt Checklists . . . . .     | 39 |



Definitions/Glossary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Qualifiers

HPLC/IC

| 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. |

Glossary

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



## Case Narrative

Client: Stantec Consulting Services, Inc.  
Project: KM - Blanco North

Job ID: 885-14967-2

**Job ID: 885-14967-2**

**Eurofins Albuquerque**

### Job Narrative 885-14967-2

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 11/7/2024 3:17 PM. 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 time was 0.9°C.

#### Receipt Exceptions

The reference method requires samples to be preserved to a pH of <2. The following sample(s) was received with insufficient preservation

#### HPLC/IC

Method 300\_OF\_28D\_NO3: The following samples were diluted due to the nature of the sample matrix: MW-40 (885-14967-5), MW-41 (885-14967-6), MW-50 (885-14967-13) and MW-57 (885-14967-19). Elevated reporting limits (RLs) are provided.

Method 300\_OF\_28D\_NO3: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 885-15926 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300\_OF\_28D\_NO3: The following samples were diluted due to the nature of the sample matrix: DUP-01 (885-14967-2) and MW-23 (885-14967-4). 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.

Eurofins Albuquerque

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: DUP-01  
Date Collected: 11/06/24 00:00  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-2  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL    |      | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-------|------|------|---|----------|----------------|---------|
| Nitrate              | <1000  |           | 5000  | 1000 | ug/L |   |          | 11/09/24 05:27 | 50      |
| Nitrite              | <580   |           | 5000  | 580  | ug/L |   |          | 11/09/24 05:27 | 50      |
| Nitrate Nitrite as N | <1100  |           | 10000 | 1100 | ug/L |   |          | 11/09/24 05:27 | 50      |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

**Client Sample ID: DUP-02**  
**Date Collected: 11/06/24 00:00**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-3**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL    |      | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-------|------|------|---|----------|----------------|---------|
| Nitrate              | 2200   | J         | 5000  | 1000 | ug/L |   |          | 11/09/24 06:10 | 50      |
| Nitrite              | <580   |           | 5000  | 580  | ug/L |   |          | 11/09/24 06:10 | 50      |
| Nitrate Nitrite as N | 2200   | J         | 10000 | 1100 | ug/L |   |          | 11/09/24 06:10 | 50      |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-23  
Date Collected: 11/06/24 11:39  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-4  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL    |      | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-------|------|------|---|----------|----------------|---------|
| Nitrate              | <1000  |           | 5000  | 1000 | ug/L |   |          | 11/09/24 06:21 | 50      |
| Nitrite              | <580   |           | 5000  | 580  | ug/L |   |          | 11/09/24 06:21 | 50      |
| Nitrate Nitrite as N | <1100  |           | 10000 | 1100 | ug/L |   |          | 11/09/24 06:21 | 50      |

- 1
- 2
- 3
- 4
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- 7
- 8
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- 10
- 11

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-40

Date Collected: 11/06/24 08:43

Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-5

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 79000  |           | 2000 | 400 ug/L |   |          | 11/12/24 18:19 | 20      |
| Nitrite              | <230   |           | 2000 | 230 ug/L |   |          | 11/12/24 18:19 | 20      |
| Nitrate Nitrite as N | 79000  |           | 4000 | 450 ug/L |   |          | 11/12/24 18:19 | 20      |



Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-41  
Date Collected: 11/06/24 08:53  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-6  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Nitrate              | 35000  |           | 1000 | 200 | ug/L |   |          | 11/12/24 18:30 | 10      |
| Nitrite              | <120   |           | 1000 | 120 | ug/L |   |          | 11/12/24 18:30 | 10      |
| Nitrate Nitrite as N | 35000  |           | 2000 | 220 | ug/L |   |          | 11/12/24 18:30 | 10      |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-42  
Date Collected: 11/06/24 09:03  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-7  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 18:41 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 18:41 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 18:41 | 5       |

- 1
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- 9
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- 11

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-43  
Date Collected: 11/06/24 13:01  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-8  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 18:52 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 18:52 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 18:52 | 5       |

- 1
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- 7
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- 11

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-44  
Date Collected: 11/06/24 12:49  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-9  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 19:03 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 19:03 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 19:03 | 5       |

- 1
- 2
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- 7
- 8
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- 10
- 11

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-45

Date Collected: 11/06/24 11:52

Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-10

Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 1600   |           | 500  | 100 ug/L |   |          | 11/12/24 19:14 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 19:14 | 5       |
| Nitrate Nitrite as N | 1600   |           | 1000 | 110 ug/L |   |          | 11/12/24 19:14 | 5       |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

**Client Sample ID: MW-46**  
**Date Collected: 11/06/24 09:13**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-11**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 19:59 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 19:59 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 19:59 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-48  
Date Collected: 11/06/24 09:30  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-12  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 20:10 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 20:10 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 20:10 | 5       |

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- 11

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-50  
Date Collected: 11/06/24 12:11  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-13  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL    |      | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|-------|------|------|---|----------|----------------|---------|
| Nitrate              | 91000  |           | 5000  | 1000 | ug/L |   |          | 11/12/24 20:21 | 50      |
| Nitrite              | <580   |           | 5000  | 580  | ug/L |   |          | 11/12/24 20:21 | 50      |
| Nitrate Nitrite as N | 91000  |           | 10000 | 1100 | ug/L |   |          | 11/12/24 20:21 | 50      |

- 1
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- 3
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- 11

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-51  
Date Collected: 11/06/24 11:20  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-14  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   | F1        | 500  | 100 ug/L |   |          | 11/12/24 20:32 | 5       |
| Nitrite              | <58    | F1        | 500  | 58 ug/L  |   |          | 11/12/24 20:32 | 5       |
| Nitrate Nitrite as N | <110   | F1        | 1000 | 110 ug/L |   |          | 11/12/24 20:32 | 5       |

- 1
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- 3
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- 6
- 7
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- 9
- 10
- 11

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

**Client Sample ID: MW-52**  
**Date Collected: 11/06/24 10:44**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-15**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   | F1        | 500  | 100 ug/L |   |          | 11/12/24 21:05 | 5       |
| Nitrite              | <58    | F1        | 500  | 58 ug/L  |   |          | 11/12/24 21:05 | 5       |
| Nitrate Nitrite as N | <110   | F1        | 1000 | 110 ug/L |   |          | 11/12/24 21:05 | 5       |

- 1
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- 9
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- 11

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-53  
Date Collected: 11/06/24 10:11  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-16  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 22:11 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 22:11 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 22:11 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-54      Lab Sample ID: 885-14967-17  
Date Collected: 11/06/24 09:22      Matrix: Water  
Date Received: 11/07/24 15:17

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|--|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte  | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate  | 12000  |           | 500  | 100 | ug/L |   |          | 11/12/24 22:22 | 5       |
| Nitrite  | <58    |           | 500  | 58  | ug/L |   |          | 11/12/24 22:22 | 5       |
| Nitrate Nitrite as N                           | 12000  |           | 1000 | 110 | ug/L |   |          | 11/12/24 22:22 | 5       |



Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

**Client Sample ID: MW-55**  
**Date Collected: 11/06/24 09:46**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-18**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 22:34 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 22:34 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 22:34 | 5       |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-57  
Date Collected: 11/06/24 13:11  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-19  
Matrix: Water

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |       |      |      |   |          |                |         |
|--|--------|-----------|-------|------|------|---|----------|----------------|---------|
| Analyte  | Result | Qualifier | RL    |      | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate  | 47000  |           | 5000  | 1000 | ug/L |   |          | 11/12/24 22:45 | 50      |
| Nitrite  | <580   |           | 5000  | 580  | ug/L |   |          | 11/12/24 22:45 | 50      |
| Nitrate Nitrite as N                           | 47000  |           | 10000 | 1100 | ug/L |   |          | 11/12/24 22:45 | 50      |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-58  
Date Collected: 11/06/24 12:31  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-20  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 22:56 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 22:56 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 22:56 | 5       |

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Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-61      Lab Sample ID: 885-14967-21  
Date Collected: 11/06/24 13:50      Matrix: Water  
Date Received: 11/07/24 15:17

| Method: EPA 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|--|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte  | Result | Qualifier | RL   |     | Unit | D | Prepared | Analyzed       | Dil Fac |
| Nitrate  | <100   |           | 500  | 100 | ug/L |   |          | 11/12/24 23:07 | 5       |
| Nitrite  | <58    |           | 500  | 58  | ug/L |   |          | 11/12/24 23:07 | 5       |
| Nitrate Nitrite as N                           | <110   |           | 1000 | 110 | ug/L |   |          | 11/12/24 23:07 | 5       |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-62  
Date Collected: 11/06/24 13:40  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-22  
Matrix: Water

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | <100   |           | 500  | 100 ug/L |   |          | 11/12/24 23:18 | 5       |
| Nitrite              | <58    |           | 500  | 58 ug/L  |   |          | 11/12/24 23:18 | 5       |
| Nitrate Nitrite as N | <110   |           | 1000 | 110 ug/L |   |          | 11/12/24 23:18 | 5       |

Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

**Client Sample ID: MW-63**  
**Date Collected: 11/06/24 10:25**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-23**  
**Matrix: Water**

Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte              | Result | Qualifier | RL   | Unit     | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------|-----------|------|----------|---|----------|----------------|---------|
| Nitrate              | 290    | J         | 500  | 100 ug/L |   |          | 11/12/24 23:29 | 5       |
| Nitrite              | 370    | J         | 500  | 58 ug/L  |   |          | 11/12/24 23:29 | 5       |
| Nitrate Nitrite as N | 660    | J         | 1000 | 110 ug/L |   |          | 11/12/24 23:29 | 5       |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-15597/4

Matrix: Water

Analysis Batch: 15597

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20          |                 | 100 | 20 ug/L |   |          | 11/08/24 19:29 | 1       |
| Nitrite              | <12          |                 | 100 | 12 ug/L |   |          | 11/08/24 19:29 | 1       |
| Nitrate Nitrite as N | <22          |                 | 200 | 22 ug/L |   |          | 11/08/24 19:29 | 1       |

Lab Sample ID: LCS 885-15597/5

Matrix: Water

Analysis Batch: 15597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate Nitrite as N | 3500           | 3430          |                  | ug/L |   | 98   | 90 - 110       |

Lab Sample ID: MRL 885-15597/3

Matrix: Water

Analysis Batch: 15597

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | MRL<br>Result | MRL<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate Nitrite as N | 0.200          | 0.201         |                  | mg/L |   | 100  | 50 - 150       |

Lab Sample ID: MB 885-15793/4

Matrix: Water

Analysis Batch: 15793

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20          |                 | 100 | 20 ug/L |   |          | 11/12/24 17:57 | 1       |
| Nitrite              | <12          |                 | 100 | 12 ug/L |   |          | 11/12/24 17:57 | 1       |
| Nitrate Nitrite as N | <22          |                 | 200 | 22 ug/L |   |          | 11/12/24 17:57 | 1       |

Lab Sample ID: LCS 885-15793/5

Matrix: Water

Analysis Batch: 15793

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate Nitrite as N | 3500           | 3400          |                  | ug/L |   | 97   | 90 - 110       |

Lab Sample ID: MRL 885-15793/3

Matrix: Water

Analysis Batch: 15793

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              | Spike<br>Added | MRL<br>Result | MRL<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------------------|----------------|---------------|------------------|------|---|------|----------------|
| Nitrate Nitrite as N | 0.200          | 0.211         |                  | mg/L |   | 105  | 50 - 150       |

Lab Sample ID: MB 885-15926/4

Matrix: Water

Analysis Batch: 15926

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte              | MB<br>Result | MB<br>Qualifier | RL  | Unit    | D | Prepared | Analyzed       | Dil Fac |
|----------------------|--------------|-----------------|-----|---------|---|----------|----------------|---------|
| Nitrate              | <20          |                 | 100 | 20 ug/L |   |          | 11/14/24 12:36 | 1       |
| Nitrite              | <12          |                 | 100 | 12 ug/L |   |          | 11/14/24 12:36 | 1       |
| Nitrate Nitrite as N | <22          |                 | 200 | 22 ug/L |   |          | 11/14/24 12:36 | 1       |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

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

Lab Sample ID: LCS 885-15926/5

Matrix: Water

Analysis Batch: 15926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte              |  |  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |  |  |
|----------------------|--|--|----------------|---------------|------------------|------|---|------|----------------|--|--|
| Nitrate Nitrite as N |  |  | 3500           | 3660          |                  | ug/L |   | 105  | 90 - 110       |  |  |

Lab Sample ID: 885-14967-14 MS

Matrix: Water

Analysis Batch: 15926

Client Sample ID: MW-51

Prep Type: Total/NA

| Analyte              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |  |  |
|----------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------------|--|--|
| Nitrate Nitrite as N | <110             | F1                  | 17500          | 15500        |                 | ug/L |   | 89   | 80 - 120       |  |  |

Lab Sample ID: 885-14967-14 MSD

Matrix: Water

Analysis Batch: 15926

Client Sample ID: MW-51

Prep Type: Total/NA

| Analyte              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|----------------|-----|--------------|
| Nitrate Nitrite as N | <110             | F1                  | 17500          | 16200         |                  | ug/L |   | 92   | 80 - 120       | 4   | 20           |

Lab Sample ID: 885-14967-15 MS

Matrix: Water

Analysis Batch: 15926

Client Sample ID: MW-52

Prep Type: Total/NA

| Analyte              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |  |  |
|----------------------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------------|--|--|
| Nitrate Nitrite as N | <110             | F1                  | 17500          | 15000        |                 | ug/L |   | 86   | 80 - 120       |  |  |

Lab Sample ID: 885-14967-15 MSD

Matrix: Water

Analysis Batch: 15926

Client Sample ID: MW-52

Prep Type: Total/NA

| Analyte              | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------------------|------------------|---------------------|----------------|---------------|------------------|------|---|------|----------------|-----|--------------|
| Nitrate Nitrite as N | <110             | F1                  | 17500          | 15500         |                  | ug/L |   | 88   | 80 - 120       | 3   | 20           |

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## QC Association Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

## HPLC/IC

## Analysis Batch: 15597

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-14967-2     | DUP-01             | Total/NA  | Water  | 300.0  |            |
| 885-14967-3     | DUP-02             | Total/NA  | Water  | 300.0  |            |
| 885-14967-4     | MW-23              | Total/NA  | Water  | 300.0  |            |
| MB 885-15597/4  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15597/5 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| MRL 885-15597/3 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 15793

| Lab Sample ID   | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-----------------|--------------------|-----------|--------|--------|------------|
| 885-14967-5     | MW-40              | Total/NA  | Water  | 300.0  |            |
| 885-14967-6     | MW-41              | Total/NA  | Water  | 300.0  |            |
| 885-14967-7     | MW-42              | Total/NA  | Water  | 300.0  |            |
| 885-14967-8     | MW-43              | Total/NA  | Water  | 300.0  |            |
| 885-14967-9     | MW-44              | Total/NA  | Water  | 300.0  |            |
| 885-14967-10    | MW-45              | Total/NA  | Water  | 300.0  |            |
| 885-14967-11    | MW-46              | Total/NA  | Water  | 300.0  |            |
| 885-14967-12    | MW-48              | Total/NA  | Water  | 300.0  |            |
| 885-14967-13    | MW-50              | Total/NA  | Water  | 300.0  |            |
| 885-14967-14    | MW-51              | Total/NA  | Water  | 300.0  |            |
| 885-14967-15    | MW-52              | Total/NA  | Water  | 300.0  |            |
| 885-14967-16    | MW-53              | Total/NA  | Water  | 300.0  |            |
| 885-14967-17    | MW-54              | Total/NA  | Water  | 300.0  |            |
| 885-14967-18    | MW-55              | Total/NA  | Water  | 300.0  |            |
| 885-14967-19    | MW-57              | Total/NA  | Water  | 300.0  |            |
| 885-14967-20    | MW-58              | Total/NA  | Water  | 300.0  |            |
| 885-14967-21    | MW-61              | Total/NA  | Water  | 300.0  |            |
| 885-14967-22    | MW-62              | Total/NA  | Water  | 300.0  |            |
| 885-14967-23    | MW-63              | Total/NA  | Water  | 300.0  |            |
| MB 885-15793/4  | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15793/5 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| MRL 885-15793/3 | Lab Control Sample | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 15926

| Lab Sample ID    | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------|--------|------------|
| MB 885-15926/4   | Method Blank       | Total/NA  | Water  | 300.0  |            |
| LCS 885-15926/5  | Lab Control Sample | Total/NA  | Water  | 300.0  |            |
| 885-14967-14 MS  | MW-51              | Total/NA  | Water  | 300.0  |            |
| 885-14967-14 MSD | MW-51              | Total/NA  | Water  | 300.0  |            |
| 885-14967-15 MS  | MW-52              | Total/NA  | Water  | 300.0  |            |
| 885-14967-15 MSD | MW-52              | Total/NA  | Water  | 300.0  |            |

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## Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

**Client Sample ID: DUP-01****Lab Sample ID: 885-14967-2****Date Collected: 11/06/24 00:00****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 50              | 15597        | EH      | EET ALB | 11/09/24 05:27       |

**Client Sample ID: DUP-02****Lab Sample ID: 885-14967-3****Date Collected: 11/06/24 00:00****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 50              | 15597        | EH      | EET ALB | 11/09/24 06:10       |

**Client Sample ID: MW-23****Lab Sample ID: 885-14967-4****Date Collected: 11/06/24 11:39****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 50              | 15597        | EH      | EET ALB | 11/09/24 06:21       |

**Client Sample ID: MW-40****Lab Sample ID: 885-14967-5****Date Collected: 11/06/24 08:43****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 20              | 15793        | EH      | EET ALB | 11/12/24 18:19       |

**Client Sample ID: MW-41****Lab Sample ID: 885-14967-6****Date Collected: 11/06/24 08:53****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 10              | 15793        | EH      | EET ALB | 11/12/24 18:30       |

**Client Sample ID: MW-42****Lab Sample ID: 885-14967-7****Date Collected: 11/06/24 09:03****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 18:41       |

**Client Sample ID: MW-43****Lab Sample ID: 885-14967-8****Date Collected: 11/06/24 13:01****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 18:52       |

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Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Client Sample ID: MW-44  
Date Collected: 11/06/24 12:49  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-9  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 19:03       |

Client Sample ID: MW-45  
Date Collected: 11/06/24 11:52  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-10  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 19:14       |

Client Sample ID: MW-46  
Date Collected: 11/06/24 09:13  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-11  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 19:59       |

Client Sample ID: MW-48  
Date Collected: 11/06/24 09:30  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-12  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 20:10       |

Client Sample ID: MW-50  
Date Collected: 11/06/24 12:11  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-13  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 50              | 15793        | EH      | EET ALB | 11/12/24 20:21       |

Client Sample ID: MW-51  
Date Collected: 11/06/24 11:20  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-14  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 20:32       |

Client Sample ID: MW-52  
Date Collected: 11/06/24 10:44  
Date Received: 11/07/24 15:17

Lab Sample ID: 885-14967-15  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 21:05       |

## Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

**Client Sample ID: MW-53****Lab Sample ID: 885-14967-16****Date Collected: 11/06/24 10:11****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 22:11       |

**Client Sample ID: MW-54****Lab Sample ID: 885-14967-17****Date Collected: 11/06/24 09:22****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 22:22       |

**Client Sample ID: MW-55****Lab Sample ID: 885-14967-18****Date Collected: 11/06/24 09:46****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 22:34       |

**Client Sample ID: MW-57****Lab Sample ID: 885-14967-19****Date Collected: 11/06/24 13:11****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 50              | 15793        | EH      | EET ALB | 11/12/24 22:45       |

**Client Sample ID: MW-58****Lab Sample ID: 885-14967-20****Date Collected: 11/06/24 12:31****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 22:56       |

**Client Sample ID: MW-61****Lab Sample ID: 885-14967-21****Date Collected: 11/06/24 13:50****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 23:07       |

**Client Sample ID: MW-62****Lab Sample ID: 885-14967-22****Date Collected: 11/06/24 13:40****Matrix: Water****Date Received: 11/07/24 15:17**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 23:18       |

Eurofins Albuquerque



Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

**Client Sample ID: MW-63**  
**Date Collected: 11/06/24 10:25**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-23**  
**Matrix: Water**

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Analysis   | 300.0        |     | 5               | 15793        | EH      | EET ALB | 11/12/24 23:29       |

**Laboratory References:**  
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14967-2

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority   | Program     | Identification Number | Expiration Date      |
|---|-------------|-----------------------|----------------------|
| New Mexico  | State       | NM9425, NM0901        | 02-26-25             |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                      |
| Analysis Method   | Prep Method | Matrix                | Analyte              |
| 300.0   |             | Water                 | Nitrate              |
| 300.0   |             | Water                 | Nitrate Nitrite as N |
| 300.0   |             | Water                 | Nitrite              |
| Oregon  | NELAP       | NM100001              | 02-26-25             |

Chain of Custody Record



|   |  |  |  |   |  |  |  |  |  |
|---|--|--|--|---|--|--|--|--|--|
| <b>Client Information</b>   |  | Sampler: <u>Sean Clary</u>   |  | Lab PM: <u>Upton, Catherine</u>   |  | Carrier Tracking No(s):  |  | COC No: <u>885-2285-388.1</u>                                  |  |
| Client Contact: <u>Steve Varsa</u>                                    |  | Phone: <u>913 980 0281</u>   |  | E-Mail: <u>Catherine.upton@eurofins.com</u>   |  | State of Origin: <u>NM</u>   |  | Page: <u>1 of 3</u>  |  |
| Company: <u>Stantec Consulting Services, Inc.</u>                     |  | PWSID:   |  | Analysis Requested  |  | Job #:   |  | Preservation Codes:<br>S - H2SO4<br>A - HCL<br><u>N - NONE</u> |  |
| Address: <u>11311 Aurora Avenue</u>                                   |  | Due Date Requested:  |  | Field Filtered Sample (Yes or No)   |  | 300 OF 28D NO3 - Nitrate + Nitrite as N  |  | 8260B - (MOD) BTEX   |  |
| City: <u>Des Moines</u>   |  | TAT Requested (days): <u>STD</u>   |  | Perform MS/MSD (Yes or No)  |  | 8260B - (MOD) BTEX   |  | Total Number of Containers                                     |  |
| State, Zip: <u>IA, 50322-7904</u>                                     |  | Compliance Project: <u>Δ Yes Δ No</u>  |  | Sample Date   |  | Sample Time  |  | Sample Type (C=Comp, G=grab)                                   |  |
| Phone: <u>515 253 0830</u>  |  | PO #: <u>WD1141626</u>   |  | Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)                            |  | Preservation Code:   |  | Special Instructions/Note:                                     |  |
| Email: <u>steve.varsa@stantec.com</u>                                 |  | WO #: <u>88502497</u>  |  | Sample Date   |  | Sample Time  |  | Sample Type (C=Comp, G=grab)                                   |  |
| Project Name: <u>KM - Blanco North</u>                                |  | SSOW#: <u>See ARF</u>  |  | Sample Date   |  | Sample Time  |  | Sample Type (C=Comp, G=grab)                                   |  |
| Site:   |  |  |  | Sample Date   |  | Sample Time  |  | Sample Type (C=Comp, G=grab)                                   |  |
| Sample Identification   |  | Sample Date  |  | Sample Time   |  | Sample Type (C=Comp, G=grab)   |  | Matrix (W=water, S=solid, O=wastefoil, BT=Tissue, A=Air)       |  |
| <u>TB-01</u>  |  | <u>11-6-2024</u>   |  | <u>0700</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>DUP-01</u>   |  | <u>11-6-2024</u>   |  | <u>—</u>  |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>DUP-02</u>   |  | <u>11-6-2024</u>   |  | <u>—</u>  |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>MW-23</u>  |  | <u>11-6-2024</u>   |  | <u>1139</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>MW-40</u>  |  | <u>11-6-2024</u>   |  | <u>0843</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>MW-41</u>  |  | <u>11-6-2024</u>   |  | <u>0853</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>MW-42</u>  |  | <u>11-6-2024</u>   |  | <u>0903</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>MW-43</u>  |  | <u>11-6-2024</u>   |  | <u>1301</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>MW-44</u>  |  | <u>11-6-2024</u>   |  | <u>1244</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>MW-45</u>  |  | <u>11-6-2024</u>   |  | <u>1152</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| <u>MW-46</u>  |  | <u>11-6-2024</u>   |  | <u>0913</u>   |  | <u>G</u>   |  | <u>Water</u>   |  |
| Possible Hazard Identification  |  | Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> |  | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) |  | Return To Client <input type="checkbox"/> Disposal By Lab <input checked="" type="checkbox"/> Archive For <u>    </u> Months |  | Special Instructions/QC Requirements:                          |  |
| Deliverable Requested: I, II, III, IV, Other (Specify) <u>See ARF</u> |  | Empty Kit Relinquished by:   |  | Date:   |  | Time:  |  | Method of Shipment:  |  |
| Relinquished by: <u>Sean Clary</u>                                    |  | Date/Time: <u>11-6-2024 1446</u>   |  | Company: <u>STW</u>   |  | Received by: <u>Mattie Waite</u>   |  | Date/Time: <u>11-6-24 1446</u>                                 |  |
| Relinquished by: <u>Mattie Waite</u>                                  |  | Date/Time: <u>11-6-24 1711</u>   |  | Company: <u>STW</u>   |  | Received by: <u>SCA</u>  |  | Date/Time: <u>11/24 0750</u>                                   |  |
| Relinquished by: <u>Mattie Waite</u>                                  |  | Date/Time: <u>11-6-24 1711</u>   |  | Company: <u>STW</u>   |  | Received by: <u>SCA</u>  |  | Date/Time: <u>11/24 0750</u>                                   |  |
| Custody Seals Intact: <u>Δ Yes Δ No</u>                               |  | Custody Seal No.: <u>100 100 100</u>   |  | Cooler Temperature(s) °C and Other Remarks: <u>1.0 - 0.1 = 0.90C</u>                |  | Company: <u>STW</u>  |  | Company: <u>COURIER</u>  |  |



Chain of Custody Record

|  |           |  |             |   |  |  |   |   |                            |                            |
|--|-----------|--|-------------|---|--|--|---|---|----------------------------|----------------------------|
| <b>Client Information</b>                              |           | Sampler: Sean Clary  |             | Lab PM: Upton, Catherine  |  | Carrier Tracking No(s):  |   | COC No: 885-2285-388.1                      |                            |                            |
| Client Contact: Steve Varsa                            |           | Phone: 913 920-0231  |             | E-Mail: Catherine.upton@et.eurofins.com   |  | State of Origin: NM  |   | Page: 2<br>Page 1 of 43                     |                            |                            |
| Company: Stantec Consulting Services, Inc.             |           | PWSID:   |             | Analysis Requested  |  |  |   | Job #:                                      |                            |                            |
| Address: 11311 Aurora Avenue                           |           | Due Date Requested:  |             |   |  |  |   | Preservation Codes:<br>S - H2SO4<br>A - HCL |                            |                            |
| City: Des Moines                                       |           | TAT Requested (days): 5TD  |             |   |  |  |   | Other:                                      |                            |                            |
| State, Zip: IA, 50322-7904                             |           | Compliance Project: Δ Yes Δ No   |             |   |  |  |   |   |                            |                            |
| Phone: 515 253 0330                                    |           | PO #: WD1141626  |             |   |  |  |   |   |                            |                            |
| Email: steve.varsa@stantec.com                         |           | WO #:  |             |   |  |  |   |   |                            |                            |
| Project Name: SEARF                                    |           | Project #: 88502497  |             |   |  |  |   |   |                            |                            |
| Site:  |           | 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 OF 28D NO3 - Nitrate + Nitrite as N | 8260B - (MOD) BTEX                          | Total Number of containers | Special Instructions/Note: |
| MW-48  | 11-6-2024 | 0930   | G           | Water   |  |  |   |   |                            |                            |
| MW-50  | 11-6-2024 | 1211   | G           | Water   |  |  |   |   |                            |                            |
| MW-51  | 11-6-2024 | 1120   | G           | Water   |  |  |   |   |                            | MSMSD                      |
| MW-52  | 11-6-2024 | 1044   | G           | Water   |  |  |   |   |                            | MSMSD                      |
| MW-53  | 11-6-2024 | 1011   | G           | Water   |  |  |   |   |                            |                            |
| MW-54  | 11-6-2024 | 0922   | G           | Water   |  |  |   |   |                            |                            |
| MW-55  | 11-6-2024 | 0946   | G           | Water   |  |  |   |   |                            |                            |
| MW-57  | 11-6-2024 | 1311   | G           | Water   |  |  |   |   |                            |                            |
| MW-58  | 11-6-2024 | 1231   | G           | Water   |  |  |   |   |                            |                            |
| MW-61  | 11-6-2024 | 1350   | G           | Water   |  |  |   |   |                            |                            |
| MW-62  | 11-6-2024 | 1340   | G           | Water   |  |  |   |   |                            |                            |
| Possible Hazard Identification                         |           | Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> |             | Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) |  | Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Months |   |   |                            |                            |
| Deliverable Requested: I, II, III, IV, Other (Specify) |           | See ARK  |             | Special Instructions/QC Requirements:   |  |  |   |   |                            |                            |
| Empty Kit Relinquished by:                             |           | Date:  |             | Time:   |  | Method of Shipment:  |   |   |                            |                            |
| Relinquished by: Ann R Clary                           |           | Date/Time: 11-6-2024 1446  |             | Company: STN  |  | Relinquished by: Munt Waels  |   | Date/Time: 11-6-24 1446                     |                            | Company: Eurofins          |
| Relinquished by: Munt Waels                            |           | Date/Time: 11-6-24 1711  |             | Company:  |  | Relinquished by: C. SCM  |   | Date/Time: 11/7/24 0750                     |                            | Company: COURIER           |
| Relinquished by:                                       |           | Date/Time:   |             | Company:  |  | Relinquished by:   |   | Date/Time:                                  |                            | Company:                   |
| Custody Seals Intact: Δ Yes Δ No                       |           | Custody Seal No.:  |             | Cooler Temperature(s) °C and Other Remarks: 1.0-0.1 = 0.9°C                         |  | MJO  |   | 10  |                            | Ver: 05/06/2024            |



| Client Information                         |  |  | Lab PM: Upton, Catherine                  |  |  | Carrier Tracking No(s): |  |  | COC No: 885-2285-388.1                      |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|--|--|--|---|--|--|-------------------------|--|--|---|--|--|---|--|--|-----------------------------------|--|--|----------------------------|--|--|---|--|--|--------------------|--|--|----------------------------|--|--|----------------------------|--|--|---|--|--|--|--|--|
| Client Contact: Steve Varsa                |  |  | E-Mail: Catherine.upton@et.eurofinsus.com |  |  | State of Origin: NM     |  |  | Page 1 of 4                                 |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| Company: Stantec Consulting Services, Inc. |  |  | PWSID:                                    |  |  | Job #:                  |  |  | Job #:                                      |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| Address: 111311 Aurora Avenue              |  |  | Due Date Requested:                       |  |  | Analysis Requested      |  |  | Preservation Codes:<br>S - H2SO4<br>A - HCL |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| City: Des Moines                           |  |  | TAT Requested (days): STD                 |  |  |                         |  |  |   |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| State, Zip: IA, 50322-7904                 |  |  | Compliance Project: Δ Yes Δ No            |  |  |                         |  |  |   |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| Phone: 515 253 0030                        |  |  | PO #: WD1141626                           |  |  |                         |  |  |   |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| Email: steve.varsa@stantec.com             |  |  | WO #:                                     |  |  |                         |  |  |   |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| Project Name: KM - Blanco North            |  |  | Project #: 88502497                       |  |  |                         |  |  |   |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| Site: See ARF                              |  |  | SSOW#:                                    |  |  |                         |  |  |   |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
| Sample Identification                      |  |  | Sample Date                               |  |  | Sample Time             |  |  | Sample Type (C=comp, G=grab)                |  |  | Matrix (W=water, S=solid, O=water, B=soil, A=air) |  |  | Field Filtered Sample (Yes or No) |  |  | Perform MS/MSD (Yes or No) |  |  | 300_OF_28D_NO3 - Nitrate + Nitrite as N |  |  | 8260B - (MOD) BTEX |  |  | Total Number of Containers |  |  | Special Instructions/Note: |  |  |   |  |  |  |  |  |
| MW-63                                      |  |  | 11-6-2027                                 |  |  | 1025                    |  |  | G   |  |  | Water   |  |  | Water                             |  |  | X                          |  |  | X                                       |  |  | S                  |  |  | A                          |  |  | 12                         |  |  | 3 |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  | Water   |  |  | Water                             |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |
|  |  |  |   |  |  |                         |  |  |   |  |  |   |  |  |                                   |  |  |                            |  |  |   |  |  |                    |  |  |                            |  |  |                            |  |  |   |  |  |  |  |  |

## Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 885-14967-2

Login Number: 14967

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

| Question   | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| 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   |         |
| 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.  | True   |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.  | N/A    |         |



# APPENDIX H

Soil Laboratory Analytical Reports



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 11/12/2024 5:51:02 PM

## JOB DESCRIPTION

KM - Blanco North

## JOB NUMBER

885-14633-1

Eurofins Albuquerque  
4901 Hawkins NE  
Albuquerque NM 87109

# Eurofins Albuquerque

## Job Notes

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 South Central, LLC Project Manager.

## Authorization



Generated  
11/12/2024 5:51:02 PM

Authorized for release by  
Catherine Upton, Project Manager  
[Catherine.upton@et.eurofinsus.com](mailto:Catherine.upton@et.eurofinsus.com)  
(505)345-3975

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Laboratory Job ID: 885-14633-1

# Table of Contents

|                                  |    |
|----------------------------------|----|
| Cover Page . . . . .             | 1  |
| Table of Contents . . . . .      | 3  |
| Definitions/Glossary . . . . .   | 4  |
| Case Narrative . . . . .         | 5  |
| Client Sample Results . . . . .  | 6  |
| QC Sample Results . . . . .      | 10 |
| QC Association Summary . . . . . | 14 |
| Lab Chronicle . . . . .          | 16 |
| Certification Summary . . . . .  | 18 |
| Chain of Custody . . . . .       | 19 |
| Receipt Checklists . . . . .     | 20 |



Definitions/Glossary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

Glossary

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

## Case Narrative

Client: Stantec Consulting Services, Inc.  
Project: KM - Blanco North

Job ID: 885-14633-1

**Job ID: 885-14633-1**

**Eurofins Albuquerque**

### Job Narrative 885-14633-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

#### Receipt

The samples were received on 11/2/2024 7:05 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 time was 0.2°C.

#### GC/MS VOA

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

#### Gasoline Range Organics

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

#### Diesel Range Organics

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

#### HPLC/IC

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

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## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

Client Sample ID: MW63 26ft.

Lab Sample ID: 885-14633-1

Date Collected: 10/30/24 14:45

Matrix: Solid

Date Received: 11/02/24 07:05

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

| Analyte        | Result  | Qualifier | RL    | Unit         | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|-------|--------------|---|----------------|----------------|---------|
| Benzene        | <0.0077 |           | 0.024 | 0.0077 mg/Kg |   | 11/05/24 16:16 | 11/06/24 13:49 | 1       |
| Ethylbenzene   | <0.0057 |           | 0.048 | 0.0057 mg/Kg |   | 11/05/24 16:16 | 11/06/24 13:49 | 1       |
| m&p-Xylene     | <0.016  |           | 0.048 | 0.016 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 13:49 | 1       |
| o-Xylene       | <0.0091 |           | 0.048 | 0.0091 mg/Kg |   | 11/05/24 16:16 | 11/06/24 13:49 | 1       |
| Toluene        | <0.0087 |           | 0.048 | 0.0087 mg/Kg |   | 11/05/24 16:16 | 11/06/24 13:49 | 1       |
| Xylenes, Total | <0.016  |           | 0.096 | 0.016 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 13:49 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 65 - 147 | 11/05/24 16:16 | 11/06/24 13:49 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 70 - 130 | 11/05/24 16:16 | 11/06/24 13:49 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 62 - 144 | 11/05/24 16:16 | 11/06/24 13:49 | 1       |
| Dibromofluoromethane (Surr)  | 98        |           | 73 - 145 | 11/05/24 16:16 | 11/06/24 13:49 | 1       |

## Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

| Analyte                            | Result | Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|-----------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | <1.2   |           | 4.8 | 1.2 mg/Kg |   | 11/05/24 16:16 | 11/06/24 18:47 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 35 - 166 | 11/05/24 16:16 | 11/06/24 18:47 | 1       |

## Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result | Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|-----------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | <8.4   |           | 9.9 | 8.4 mg/Kg |   | 11/05/24 16:05 | 11/06/24 14:46 | 1       |
| Motor Oil Range Organics [C28-C40] | <27    |           | 49  | 27 mg/Kg  |   | 11/05/24 16:05 | 11/06/24 14:46 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Di-n-octyl phthalate (Surr) | 92        |           | 62 - 134 | 11/05/24 16:05 | 11/06/24 14:46 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit     | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|----------|---|----------------|----------------|---------|
| Chloride | <60    |           | 60 | 60 mg/Kg |   | 11/04/24 09:43 | 11/04/24 14:25 | 20      |

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## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

Client Sample ID: MW63 41ft.

Lab Sample ID: 885-14633-2

Date Collected: 10/30/24 15:40

Matrix: Solid

Date Received: 11/02/24 07:05

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

| Analyte        | Result  | Qualifier | RL    | Unit         | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|-------|--------------|---|----------------|----------------|---------|
| Benzene        | <0.0080 |           | 0.025 | 0.0080 mg/Kg |   | 11/05/24 16:16 | 11/06/24 14:16 | 1       |
| Ethylbenzene   | <0.0059 |           | 0.050 | 0.0059 mg/Kg |   | 11/05/24 16:16 | 11/06/24 14:16 | 1       |
| m&p-Xylene     | <0.017  |           | 0.050 | 0.017 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 14:16 | 1       |
| o-Xylene       | <0.0095 |           | 0.050 | 0.0095 mg/Kg |   | 11/05/24 16:16 | 11/06/24 14:16 | 1       |
| Toluene        | <0.0090 |           | 0.050 | 0.0090 mg/Kg |   | 11/05/24 16:16 | 11/06/24 14:16 | 1       |
| Xylenes, Total | <0.017  |           | 0.099 | 0.017 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 14:16 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 65 - 147 | 11/05/24 16:16 | 11/06/24 14:16 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 70 - 130 | 11/05/24 16:16 | 11/06/24 14:16 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 62 - 144 | 11/05/24 16:16 | 11/06/24 14:16 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 73 - 145 | 11/05/24 16:16 | 11/06/24 14:16 | 1       |

## Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

| Analyte                            | Result | Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|-----------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | <1.3   |           | 5.0 | 1.3 mg/Kg |   | 11/05/24 16:16 | 11/06/24 19:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 35 - 166 | 11/05/24 16:16 | 11/06/24 19:57 | 1       |

## Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result | Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|-----------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | <8.4   |           | 9.8 | 8.4 mg/Kg |   | 11/05/24 16:05 | 11/06/24 14:57 | 1       |
| Motor Oil Range Organics [C28-C40] | <27    |           | 49  | 27 mg/Kg  |   | 11/05/24 16:05 | 11/06/24 14:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Di-n-octyl phthalate (Surr) | 94        |           | 62 - 134 | 11/05/24 16:05 | 11/06/24 14:57 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit     | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|----------|---|----------------|----------------|---------|
| Chloride | <60    |           | 60 | 60 mg/Kg |   | 11/04/24 09:43 | 11/04/24 14:35 | 20      |

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## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

Client Sample ID: MW63 53ft

Lab Sample ID: 885-14633-3

Date Collected: 10/30/24 17:40

Matrix: Solid

Date Received: 11/02/24 07:05

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

| Analyte        | Result  | Qualifier | RL    | Unit         | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|-------|--------------|---|----------------|----------------|---------|
| Benzene        | <0.0078 |           | 0.024 | 0.0078 mg/Kg |   | 11/05/24 16:16 | 11/06/24 15:38 | 1       |
| Ethylbenzene   | <0.0057 |           | 0.048 | 0.0057 mg/Kg |   | 11/05/24 16:16 | 11/06/24 15:38 | 1       |
| m&p-Xylene     | <0.016  |           | 0.048 | 0.016 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 15:38 | 1       |
| o-Xylene       | <0.0092 |           | 0.048 | 0.0092 mg/Kg |   | 11/05/24 16:16 | 11/06/24 15:38 | 1       |
| Toluene        | <0.0087 |           | 0.048 | 0.0087 mg/Kg |   | 11/05/24 16:16 | 11/06/24 15:38 | 1       |
| Xylenes, Total | <0.016  |           | 0.096 | 0.016 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 15:38 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 98        |           | 65 - 147 | 11/05/24 16:16 | 11/06/24 15:38 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 70 - 130 | 11/05/24 16:16 | 11/06/24 15:38 | 1       |
| 4-Bromofluorobenzene (Surr)  | 100       |           | 62 - 144 | 11/05/24 16:16 | 11/06/24 15:38 | 1       |
| Dibromofluoromethane (Surr)  | 99        |           | 73 - 145 | 11/05/24 16:16 | 11/06/24 15:38 | 1       |

## Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

| Analyte                            | Result | Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|-----------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | <1.2   |           | 4.8 | 1.2 mg/Kg |   | 11/05/24 16:16 | 11/06/24 20:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 35 - 166 | 11/05/24 16:16 | 11/06/24 20:20 | 1       |

## Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result | Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|-----------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | <8.0   |           | 9.3 | 8.0 mg/Kg |   | 11/05/24 16:05 | 11/06/24 15:07 | 1       |
| Motor Oil Range Organics [C28-C40] | <26    |           | 47  | 26 mg/Kg  |   | 11/05/24 16:05 | 11/06/24 15:07 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Di-n-octyl phthalate (Surr) | 91        |           | 62 - 134 | 11/05/24 16:05 | 11/06/24 15:07 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit     | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|----------|---|----------------|----------------|---------|
| Chloride | <60    |           | 60 | 60 mg/Kg |   | 11/04/24 09:43 | 11/04/24 14:45 | 20      |

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## Client Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

Client Sample ID: MW63 57ft

Lab Sample ID: 885-14633-4

Date Collected: 10/30/24 17:45

Matrix: Solid

Date Received: 11/02/24 07:05

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

| Analyte        | Result  | Qualifier | RL    | Unit         | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|-------|--------------|---|----------------|----------------|---------|
| Benzene        | <0.0074 |           | 0.023 | 0.0074 mg/Kg |   | 11/05/24 16:16 | 11/06/24 16:05 | 1       |
| Ethylbenzene   | <0.0055 |           | 0.046 | 0.0055 mg/Kg |   | 11/05/24 16:16 | 11/06/24 16:05 | 1       |
| m&p-Xylene     | <0.016  |           | 0.046 | 0.016 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 16:05 | 1       |
| o-Xylene       | <0.0088 |           | 0.046 | 0.0088 mg/Kg |   | 11/05/24 16:16 | 11/06/24 16:05 | 1       |
| Toluene        | <0.0083 |           | 0.046 | 0.0083 mg/Kg |   | 11/05/24 16:16 | 11/06/24 16:05 | 1       |
| Xylenes, Total | <0.016  |           | 0.092 | 0.016 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 16:05 | 1       |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 97        |           | 65 - 147 | 11/05/24 16:16 | 11/06/24 16:05 | 1       |
| Toluene-d8 (Surr)            | 104       |           | 70 - 130 | 11/05/24 16:16 | 11/06/24 16:05 | 1       |
| 4-Bromofluorobenzene (Surr)  | 99        |           | 62 - 144 | 11/05/24 16:16 | 11/06/24 16:05 | 1       |
| Dibromofluoromethane (Surr)  | 97        |           | 73 - 145 | 11/05/24 16:16 | 11/06/24 16:05 | 1       |

## Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

| Analyte                            | Result | Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|-----------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | <1.2   |           | 4.6 | 1.2 mg/Kg |   | 11/05/24 16:16 | 11/06/24 20:43 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98        |           | 35 - 166 | 11/05/24 16:16 | 11/06/24 20:43 | 1       |

## Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

| Analyte                            | Result | Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------|-----------|-----|-----------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | <8.1   |           | 9.4 | 8.1 mg/Kg |   | 11/05/24 16:05 | 11/06/24 15:18 | 1       |
| Motor Oil Range Organics [C28-C40] | <26    |           | 47  | 26 mg/Kg  |   | 11/05/24 16:05 | 11/06/24 15:18 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Di-n-octyl phthalate (Surr) | 90        |           | 62 - 134 | 11/05/24 16:05 | 11/06/24 15:18 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL | Unit     | D | Prepared       | Analyzed       | Dil Fac |
|----------|--------|-----------|----|----------|---|----------------|----------------|---------|
| Chloride | <60    |           | 60 | 60 mg/Kg |   | 11/04/24 09:43 | 11/04/24 14:55 | 20      |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

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

Lab Sample ID: MB 885-15437/16-A

Matrix: Solid

Analysis Batch: 15451

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15437

| Analyte        | MB Result | MB Qualifier | RL   | Unit        | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|------|-------------|---|----------------|----------------|---------|
| Benzene        | <0.040    |              | 0.13 | 0.040 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Ethylbenzene   | <0.030    |              | 0.25 | 0.030 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| m&p-Xylene     | <0.084    |              | 0.25 | 0.084 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| o-Xylene       | <0.048    |              | 0.25 | 0.048 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Toluene        | <0.045    |              | 0.25 | 0.045 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Xylenes, Total | <0.084    |              | 0.50 | 0.084 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96           |              | 65 - 147 | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Toluene-d8 (Surr)            | 103          |              | 70 - 130 | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101          |              | 62 - 144 | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Dibromofluoromethane (Surr)  | 97           |              | 73 - 145 | 11/05/24 16:16 | 11/06/24 11:05 | 1       |

Lab Sample ID: MB 885-15437/1-A

Matrix: Solid

Analysis Batch: 15451

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15437

| Analyte        | MB Result | MB Qualifier | RL    | Unit         | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|-------|--------------|---|----------------|----------------|---------|
| Benzene        | <0.0081   |              | 0.025 | 0.0081 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Ethylbenzene   | <0.0060   |              | 0.050 | 0.0060 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| m&p-Xylene     | <0.017    |              | 0.050 | 0.017 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| o-Xylene       | <0.0095   |              | 0.050 | 0.0095 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Toluene        | <0.0090   |              | 0.050 | 0.0090 mg/Kg |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Xylenes, Total | <0.017    |              | 0.10  | 0.017 mg/Kg  |   | 11/05/24 16:16 | 11/06/24 11:05 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1,2-Dichloroethane-d4 (Surr) | 96           |              | 65 - 147 | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Toluene-d8 (Surr)            | 103          |              | 70 - 130 | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| 4-Bromofluorobenzene (Surr)  | 101          |              | 62 - 144 | 11/05/24 16:16 | 11/06/24 11:05 | 1       |
| Dibromofluoromethane (Surr)  | 97           |              | 73 - 145 | 11/05/24 16:16 | 11/06/24 11:05 | 1       |

Lab Sample ID: LCS 885-15437/15-A

Matrix: Solid

Analysis Batch: 15451

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15437

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 5.02        | 4.58       |               | mg/Kg |   | 91   | 70 - 130    |
| Toluene | 5.04        | 4.86       |               | mg/Kg |   | 96   | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97            |               | 65 - 147 |
| Toluene-d8 (Surr)            | 102           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 99            |               | 62 - 144 |
| Dibromofluoromethane (Surr)  | 96            |               | 73 - 145 |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

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

Lab Sample ID: LCS 885-15437/3-A

Matrix: Solid

Analysis Batch: 15451

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15437

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene | 1.00        | 0.916      |               | mg/Kg |   | 91   | 70 - 130    |
| Toluene | 1.01        | 0.972      |               | mg/Kg |   | 96   | 70 - 130    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97            |               | 65 - 147 |
| Toluene-d8 (Surr)            | 102           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 99            |               | 62 - 144 |
| Dibromofluoromethane (Surr)  | 96            |               | 73 - 145 |

Lab Sample ID: 885-14633-2 MS

Matrix: Solid

Analysis Batch: 15451

Client Sample ID: MW63 41ft.

Prep Type: Total/NA

Prep Batch: 15437

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.0080       |                  | 0.993       | 0.988     |              | mg/Kg |   | 100  | 61 - 141    |
| Toluene | <0.0090       |                  | 0.996       | 1.08      |              | mg/Kg |   | 109  | 15 - 261    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 98           |              | 65 - 147 |
| Toluene-d8 (Surr)            | 105          |              | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 100          |              | 62 - 144 |
| Dibromofluoromethane (Surr)  | 99           |              | 73 - 145 |

Lab Sample ID: 885-14633-2 MSD

Matrix: Solid

Analysis Batch: 15451

Client Sample ID: MW63 41ft.

Prep Type: Total/NA

Prep Batch: 15437

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene | <0.0080       |                  | 1.00        | 0.953      |               | mg/Kg |   | 95   | 61 - 141    | 4   | 20        |
| Toluene | <0.0090       |                  | 1.00        | 1.04       |               | mg/Kg |   | 104  | 15 - 261    | 4   | 20        |

| Surrogate                    | MSD %Recovery | MSD Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| 1,2-Dichloroethane-d4 (Surr) | 97            |               | 65 - 147 |
| Toluene-d8 (Surr)            | 104           |               | 70 - 130 |
| 4-Bromofluorobenzene (Surr)  | 98            |               | 62 - 144 |
| Dibromofluoromethane (Surr)  | 99            |               | 73 - 145 |

## Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-15437/1-A

Matrix: Solid

Analysis Batch: 15507

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15437

| Analyte                            | MB Result | MB Qualifier | RL  | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|-----------|--------------|-----|-----------|---|----------------|----------------|---------|
| Gasoline Range Organics [C6 - C10] | <1.3      |              | 5.0 | 1.3 mg/Kg |   | 11/05/24 16:16 | 11/06/24 18:23 | 1       |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

## Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-15437/1-A

Matrix: Solid

Analysis Batch: 15507

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15437

|                             | MB        | MB        |          |                |                |         |  |  |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |  |  |
| 4-Bromofluorobenzene (Surr) | 99        |           | 35 - 166 | 11/05/24 16:16 | 11/06/24 18:23 | 1       |  |  |  |  |

Lab Sample ID: LCS 885-15437/2-A

Matrix: Solid

Analysis Batch: 15507

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15437

| Analyte                            |               |               | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|------------------------------------|---------------|---------------|-------------|------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics [C6 - C10] |               |               | 25.0        | 24.8       |               | mg/Kg |   | 99   | 70 - 130    |  |  |
| Surrogate                          | LCS %Recovery | LCS Qualifier | Limits      |            |               |       |   |      |             |  |  |
| 4-Bromofluorobenzene (Surr)        | 201           |               | 35 - 166    |            |               |       |   |      |             |  |  |

Lab Sample ID: 885-14633-1 MS

Matrix: Solid

Analysis Batch: 15507

Client Sample ID: MW63 26ft.

Prep Type: Total/NA

Prep Batch: 15437

| Analyte                            | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics [C6 - C10] | <1.2          |                  | 23.9        | 27.4      |              | mg/Kg |   | 115  | 70 - 130    |  |  |
| Surrogate                          | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |  |  |
| 4-Bromofluorobenzene (Surr)        | 214           |                  | 35 - 166    |           |              |       |   |      |             |  |  |

Lab Sample ID: 885-14633-1 MSD

Matrix: Solid

Analysis Batch: 15507

Client Sample ID: MW63 26ft.

Prep Type: Total/NA

Prep Batch: 15437

| Analyte                            | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics [C6 - C10] | <1.2          |                  | 23.8        | 25.0       |               | mg/Kg |   | 105  | 70 - 130    | 9   | 20        |
| Surrogate                          | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 4-Bromofluorobenzene (Surr)        | 209           |                  | 35 - 166    |            |               |       |   |      |             |     |           |

## Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-15434/1-A

Matrix: Solid

Analysis Batch: 15453

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15434

| Analyte                            | MB Result    | MB Qualifier | RL       | Unit      | D | Prepared       | Analyzed       | Dil Fac |
|------------------------------------|--------------|--------------|----------|-----------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28]    | <8.6         |              | 10       | 8.6 mg/Kg |   | 11/05/24 16:05 | 11/06/24 14:25 | 1       |
| Motor Oil Range Organics [C28-C40] | <28          |              | 50       | 28 mg/Kg  |   | 11/05/24 16:05 | 11/06/24 14:25 | 1       |
| Surrogate                          | MB %Recovery | MB Qualifier | Limits   |           |   | Prepared       | Analyzed       | Dil Fac |
| Di-n-octyl phthalate (Surr)        | 91           |              | 62 - 134 |           |   | 11/05/24 16:05 | 11/06/24 14:25 | 1       |

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## QC Sample Results

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

## Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-15434/2-A

Matrix: Solid

Analysis Batch: 15453

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15434

| Analyte                         | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------------------|---------------|---------------|---------------|-------|---|------|-------------|
| Diesel Range Organics [C10-C28] | 50.0          | 44.9          |               | mg/Kg |   | 90   | 60 - 135    |
| Surrogate                       | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |
| Di-n-octyl phthalate (Surr)     | 96            |               | 62 - 134      |       |   |      |             |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-15306/1-A

Matrix: Solid

Analysis Batch: 15286

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15306

| Analyte  | MB Result | MB Qualifier | RL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------|-----------|--------------|-----|-------|---|----------------|----------------|---------|
| Chloride | <1.5      |              | 1.5 | mg/Kg |   | 11/04/24 09:43 | 11/04/24 11:08 | 1       |

Lab Sample ID: LCS 885-15306/2-A

Matrix: Solid

Analysis Batch: 15286

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15306

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| Chloride | 15.0        | 14.5       |               | mg/Kg |   | 97   | 90 - 110    |

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## QC Association Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

## GC/MS VOA

## Prep Batch: 15437

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 885-14633-1        | MW63 26ft.         | Total/NA  | Solid  | 5030C  |            |
| 885-14633-2        | MW63 41ft.         | Total/NA  | Solid  | 5030C  |            |
| 885-14633-3        | MW63 53ft          | Total/NA  | Solid  | 5030C  |            |
| 885-14633-4        | MW63 57ft          | Total/NA  | Solid  | 5030C  |            |
| MB 885-15437/16-A  | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| MB 885-15437/1-A   | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| LCS 885-15437/15-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| LCS 885-15437/3-A  | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| 885-14633-2 MS     | MW63 41ft.         | Total/NA  | Solid  | 5030C  |            |
| 885-14633-2 MSD    | MW63 41ft.         | Total/NA  | Solid  | 5030C  |            |

## Analysis Batch: 15451

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 885-14633-1        | MW63 26ft.         | Total/NA  | Solid  | 8260B  | 15437      |
| 885-14633-2        | MW63 41ft.         | Total/NA  | Solid  | 8260B  | 15437      |
| 885-14633-3        | MW63 53ft          | Total/NA  | Solid  | 8260B  | 15437      |
| 885-14633-4        | MW63 57ft          | Total/NA  | Solid  | 8260B  | 15437      |
| MB 885-15437/16-A  | Method Blank       | Total/NA  | Solid  | 8260B  | 15437      |
| MB 885-15437/1-A   | Method Blank       | Total/NA  | Solid  | 8260B  | 15437      |
| LCS 885-15437/15-A | Lab Control Sample | Total/NA  | Solid  | 8260B  | 15437      |
| LCS 885-15437/3-A  | Lab Control Sample | Total/NA  | Solid  | 8260B  | 15437      |
| 885-14633-2 MS     | MW63 41ft.         | Total/NA  | Solid  | 8260B  | 15437      |
| 885-14633-2 MSD    | MW63 41ft.         | Total/NA  | Solid  | 8260B  | 15437      |

## GC VOA

## Prep Batch: 15437

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-14633-1       | MW63 26ft.         | Total/NA  | Solid  | 5030C  |            |
| 885-14633-2       | MW63 41ft.         | Total/NA  | Solid  | 5030C  |            |
| 885-14633-3       | MW63 53ft          | Total/NA  | Solid  | 5030C  |            |
| 885-14633-4       | MW63 57ft          | Total/NA  | Solid  | 5030C  |            |
| MB 885-15437/1-A  | Method Blank       | Total/NA  | Solid  | 5030C  |            |
| LCS 885-15437/2-A | Lab Control Sample | Total/NA  | Solid  | 5030C  |            |
| 885-14633-1 MS    | MW63 26ft.         | Total/NA  | Solid  | 5030C  |            |
| 885-14633-1 MSD   | MW63 26ft.         | Total/NA  | Solid  | 5030C  |            |

## Analysis Batch: 15507

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-14633-1       | MW63 26ft.         | Total/NA  | Solid  | 8015D  | 15437      |
| 885-14633-2       | MW63 41ft.         | Total/NA  | Solid  | 8015D  | 15437      |
| 885-14633-3       | MW63 53ft          | Total/NA  | Solid  | 8015D  | 15437      |
| 885-14633-4       | MW63 57ft          | Total/NA  | Solid  | 8015D  | 15437      |
| MB 885-15437/1-A  | Method Blank       | Total/NA  | Solid  | 8015D  | 15437      |
| LCS 885-15437/2-A | Lab Control Sample | Total/NA  | Solid  | 8015D  | 15437      |
| 885-14633-1 MS    | MW63 26ft.         | Total/NA  | Solid  | 8015D  | 15437      |
| 885-14633-1 MSD   | MW63 26ft.         | Total/NA  | Solid  | 8015D  | 15437      |

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## QC Association Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

## GC Semi VOA

## Prep Batch: 15434

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-14633-1       | MW63 26ft.         | Total/NA  | Solid  | SHAKE  |            |
| 885-14633-2       | MW63 41ft.         | Total/NA  | Solid  | SHAKE  |            |
| 885-14633-3       | MW63 53ft          | Total/NA  | Solid  | SHAKE  |            |
| 885-14633-4       | MW63 57ft          | Total/NA  | Solid  | SHAKE  |            |
| MB 885-15434/1-A  | Method Blank       | Total/NA  | Solid  | SHAKE  |            |
| LCS 885-15434/2-A | Lab Control Sample | Total/NA  | Solid  | SHAKE  |            |

## Analysis Batch: 15453

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-14633-1       | MW63 26ft.         | Total/NA  | Solid  | 8015D  | 15434      |
| 885-14633-2       | MW63 41ft.         | Total/NA  | Solid  | 8015D  | 15434      |
| 885-14633-3       | MW63 53ft          | Total/NA  | Solid  | 8015D  | 15434      |
| 885-14633-4       | MW63 57ft          | Total/NA  | Solid  | 8015D  | 15434      |
| MB 885-15434/1-A  | Method Blank       | Total/NA  | Solid  | 8015D  | 15434      |
| LCS 885-15434/2-A | Lab Control Sample | Total/NA  | Solid  | 8015D  | 15434      |

## HPLC/IC

## Analysis Batch: 15286

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 885-14633-1       | MW63 26ft.         | Total/NA  | Solid  | 300.0  | 15306      |
| 885-14633-2       | MW63 41ft.         | Total/NA  | Solid  | 300.0  | 15306      |
| 885-14633-3       | MW63 53ft          | Total/NA  | Solid  | 300.0  | 15306      |
| 885-14633-4       | MW63 57ft          | Total/NA  | Solid  | 300.0  | 15306      |
| MB 885-15306/1-A  | Method Blank       | Total/NA  | Solid  | 300.0  | 15306      |
| LCS 885-15306/2-A | Lab Control Sample | Total/NA  | Solid  | 300.0  | 15306      |

## Prep Batch: 15306

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method   | Prep Batch |
|-------------------|--------------------|-----------|--------|----------|------------|
| 885-14633-1       | MW63 26ft.         | Total/NA  | Solid  | 300_Prep |            |
| 885-14633-2       | MW63 41ft.         | Total/NA  | Solid  | 300_Prep |            |
| 885-14633-3       | MW63 53ft          | Total/NA  | Solid  | 300_Prep |            |
| 885-14633-4       | MW63 57ft          | Total/NA  | Solid  | 300_Prep |            |
| MB 885-15306/1-A  | Method Blank       | Total/NA  | Solid  | 300_Prep |            |
| LCS 885-15306/2-A | Lab Control Sample | Total/NA  | Solid  | 300_Prep |            |

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## Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

Client Sample ID: MW63 26ft.

Lab Sample ID: 885-14633-1

Date Collected: 10/30/24 14:45

Matrix: Solid

Date Received: 11/02/24 07:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 15437        | JP      | EET ALB | 11/05/24 16:16       |
| Total/NA  | Analysis   | 8260B        |     | 1               | 15451        | JR      | EET ALB | 11/06/24 13:49       |
| Total/NA  | Prep       | 5030C        |     |                 | 15437        | JP      | EET ALB | 11/05/24 16:16       |
| Total/NA  | Analysis   | 8015D        |     | 1               | 15507        | JP      | EET ALB | 11/06/24 18:47       |
| Total/NA  | Prep       | SHAKE        |     |                 | 15434        | MI      | EET ALB | 11/05/24 16:05       |
| Total/NA  | Analysis   | 8015D        |     | 1               | 15453        | MI      | EET ALB | 11/06/24 14:46       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 15306        | EH      | EET ALB | 11/04/24 09:43       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 15286        | JT      | EET ALB | 11/04/24 14:25       |

Client Sample ID: MW63 41ft.

Lab Sample ID: 885-14633-2

Date Collected: 10/30/24 15:40

Matrix: Solid

Date Received: 11/02/24 07:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 15437        | JP      | EET ALB | 11/05/24 16:16       |
| Total/NA  | Analysis   | 8260B        |     | 1               | 15451        | JR      | EET ALB | 11/06/24 14:16       |
| Total/NA  | Prep       | 5030C        |     |                 | 15437        | JP      | EET ALB | 11/05/24 16:16       |
| Total/NA  | Analysis   | 8015D        |     | 1               | 15507        | JP      | EET ALB | 11/06/24 19:57       |
| Total/NA  | Prep       | SHAKE        |     |                 | 15434        | MI      | EET ALB | 11/05/24 16:05       |
| Total/NA  | Analysis   | 8015D        |     | 1               | 15453        | MI      | EET ALB | 11/06/24 14:57       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 15306        | EH      | EET ALB | 11/04/24 09:43       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 15286        | JT      | EET ALB | 11/04/24 14:35       |

Client Sample ID: MW63 53ft

Lab Sample ID: 885-14633-3

Date Collected: 10/30/24 17:40

Matrix: Solid

Date Received: 11/02/24 07:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 15437        | JP      | EET ALB | 11/05/24 16:16       |
| Total/NA  | Analysis   | 8260B        |     | 1               | 15451        | JR      | EET ALB | 11/06/24 15:38       |
| Total/NA  | Prep       | 5030C        |     |                 | 15437        | JP      | EET ALB | 11/05/24 16:16       |
| Total/NA  | Analysis   | 8015D        |     | 1               | 15507        | JP      | EET ALB | 11/06/24 20:20       |
| Total/NA  | Prep       | SHAKE        |     |                 | 15434        | MI      | EET ALB | 11/05/24 16:05       |
| Total/NA  | Analysis   | 8015D        |     | 1               | 15453        | MI      | EET ALB | 11/06/24 15:07       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 15306        | EH      | EET ALB | 11/04/24 09:43       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 15286        | JT      | EET ALB | 11/04/24 14:45       |

Client Sample ID: MW63 57ft

Lab Sample ID: 885-14633-4

Date Collected: 10/30/24 17:45

Matrix: Solid

Date Received: 11/02/24 07:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 15437        | JP      | EET ALB | 11/05/24 16:16       |
| Total/NA  | Analysis   | 8260B        |     | 1               | 15451        | JR      | EET ALB | 11/06/24 16:05       |

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Lab Chronicle

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

Client Sample ID: MW63 57ft

Lab Sample ID: 885-14633-4

Date Collected: 10/30/24 17:45

Matrix: Solid

Date Received: 11/02/24 07:05

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Analyst | Lab     | Prepared or Analyzed |
|-----------|------------|--------------|-----|-----------------|--------------|---------|---------|----------------------|
| Total/NA  | Prep       | 5030C        |     |                 | 15437        | JP      | EET ALB | 11/05/24 16:16       |
| Total/NA  | Analysis   | 8015D        |     | 1               | 15507        | JP      | EET ALB | 11/06/24 20:43       |
| Total/NA  | Prep       | SHAKE        |     |                 | 15434        | MI      | EET ALB | 11/05/24 16:05       |
| Total/NA  | Analysis   | 8015D        |     | 1               | 15453        | MI      | EET ALB | 11/06/24 15:18       |
| Total/NA  | Prep       | 300_Prep     |     |                 | 15306        | EH      | EET ALB | 11/04/24 09:43       |
| Total/NA  | Analysis   | 300.0        |     | 20              | 15286        | JT      | EET ALB | 11/04/24 14:55       |

Laboratory References:  
EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11



Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.  
Project/Site: KM - Blanco North

Job ID: 885-14633-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

| Authority   | Program     | Identification Number | Expiration Date                    |
|---|-------------|-----------------------|------------------------------------|
| New Mexico  | State       | NM9425, NM0901        | 02-26-25                           |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                                    |
| Analysis Method   | Prep Method | Matrix                | Analyte                            |
| 300.0   | 300_Prep    | Solid                 | Chloride                           |
| 8015D   | 5030C       | Solid                 | Gasoline Range Organics [C6 - C10] |
| 8015D   | SHAKE       | Solid                 | Diesel Range Organics [C10-C28]    |
| 8015D   | SHAKE       | Solid                 | Motor Oil Range Organics [C28-C40] |
| 8260B   | 5030C       | Solid                 | Benzene                            |
| 8260B   | 5030C       | Solid                 | Ethylbenzene                       |
| 8260B   | 5030C       | Solid                 | m&p-Xylene                         |
| 8260B   | 5030C       | Solid                 | o-Xylene                           |
| 8260B   | 5030C       | Solid                 | Toluene                            |
| 8260B   | 5030C       | Solid                 | Xylenes, Total                     |
| Oregon  | NELAP       | NM100001              | 02-26-25                           |



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### Environment Testing

## Chain of Custody Record

4901 Hawkins NE  
Albuquerque, NM 87109  
Phone (505) 345-3975

| Client Information                         |  |  | Lab PMU                                  |  | Carrier                      |  |                              |  |  |  |
|--|--|--|--|--|------------------------------|--|------------------------------|--|--|--|
| Client Contact: Mr. Robert Malcomson       |  |  | Upton, Catherine                         |  | State of                     |  |                              |  |  |  |
| Company: Stantec Consulting Services, Inc. |  |  | E-Mail: Catherine.upton@et.eurofinus.com |  | Page 1 of 1                  |  |                              |  |  |  |
| Address: 11311 Aurora Avenue               |  |  | Phone: 515 710 9815                      |  | Job #: 193710670             |  |                              |  |  |  |
| City: Des Moines                           |  |  | PWSID:                                   |  | Preservation Codes: N - None |  |                              |  |  |  |
| State, Zip: IA, 50322-7904                 |  |  | Due Date Requested:                      |  | Analysis Requested           |  |                              |  |  |  |
| Phone:                                     |  |  | TAT Requested (days): 10 WD TAT Level 3c |  | Total Number of Containers   |  |                              |  |  |  |
| Email: robert.malcomson@stantec.com        |  |  | Compliance Project: A Yes A No           |  | Special Instructions/Note:   |  |                              |  |  |  |
| Project # 88502497                         |  |  | PO # WD1141626                           |  | Other:                       |  |                              |  |  |  |
| Site: KM - Blanco North                    |  |  | WO #                                     |  | Special Instructions/Note:   |  |                              |  |  |  |
| Sample Identification                      |  |  | Sample Date                              |  | Sample Time                  |  | Sample Type (C=Comp, G=grab) |  | Matrix (We water, Se solid, O= volatile Sol, BT= This side, A=Air) |  |
| MW63 26 ft.                                |  |  | 10/30/24                                 |  | 1445                         |  | G                            |  | Solid  |  |
| MW63 41 ft.                                |  |  | 10/30/24                                 |  | 1540                         |  | G                            |  | Solid  |  |
| MW63 53 ft.                                |  |  | 10/30/24                                 |  | 1740                         |  | G                            |  | Solid  |  |
| MW63 57 ft.                                |  |  | 10/30/24                                 |  | 1745                         |  | G                            |  | Solid  |  |
| Relinquished by: Christina Weeks           |  |  | Date/Time: 11/1/24                       |  | 1724                         |  | Company: Eurofins            |  | Date/Time: 11/1/24   |  |
| Relinquished by: Christina Weeks           |  |  | Date/Time: 11/1/24                       |  | 1724                         |  | Company: Eurofins            |  | Date/Time: 11/1/24   |  |
| Relinquished by: Christina Weeks           |  |  | Date/Time: 11/1/24                       |  | 1724                         |  | Company: Eurofins            |  | Date/Time: 11/1/24   |  |
| Custody Seals Intact: A Yes A No           |  |  | Date: 11/1/24                            |  | 0740                         |  | Company: Eurofins            |  | Date/Time: 11/1/24   |  |
| Custody Seal No: A Yes A No                |  |  | Date: 11/1/24                            |  | 0740                         |  | Company: Eurofins            |  | Date/Time: 11/1/24   |  |

## Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 885-14633-1

Login Number: 14633

List Number: 1

Creator: Rojas, Juan

List Source: Eurofins Albuquerque

| Question   | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact.                                | True   |         |
| Sample custody seals, if present, are intact.                                    | True   |         |
| 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   |         |
| COC is present.  | True   |         |
| COC is filled out in ink and legible.  | True   |         |
| COC is filled out with all pertinent information.                                | True   |         |
| Is the Field Sampler's name present on COC?                                      | True   |         |
| There are no discrepancies between the containers received and the COC.          | True   |         |
| Samples are received within Holding Time (excluding tests with immediate HTs)    | True   |         |
| Sample containers have legible labels.   | True   |         |
| Containers are not broken or leaking.  | True   |         |
| Sample collection date/times are provided.                                       | True   |         |
| Appropriate sample containers are used.  | True   |         |
| Sample bottles are completely filled.  | True   |         |
| Sample Preservation Verified.  | N/A    |         |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True   |         |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").  | True   |         |
| TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.  | N/A    |         |



Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 7/26/2024 12:30:50 PM

## JOB DESCRIPTION

Blanco North Flare Pit

## JOB NUMBER

400-259268-1

Eurofins Pensacola  
3355 McLemore Drive  
Pensacola FL 32514



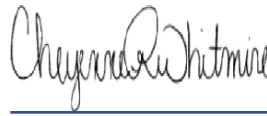
# Eurofins Pensacola

## Job Notes

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

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

## Authorization



Generated  
7/26/2024 12:30:50 PM

Authorized for release by  
Cheyenne Whitmire, Senior Project Manager  
[Cheyenne.Whitmire@et.eurofinsus.com](mailto:Cheyenne.Whitmire@et.eurofinsus.com)  
(850)471-6222

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

Laboratory Job ID: 400-259268-1

# Table of Contents

|                                 |    |
|---------------------------------|----|
| Cover Page . . . . .            | 1  |
| Table of Contents . . . . .     | 3  |
| Case Narrative . . . . .        | 4  |
| Detection Summary . . . . .     | 5  |
| Method Summary . . . . .        | 7  |
| Sample Summary . . . . .        | 8  |
| Client Sample Results . . . . . | 9  |
| Definitions . . . . .           | 18 |
| Surrogate Summary . . . . .     | 19 |
| Chronicle . . . . .             | 21 |
| QC Association . . . . .        | 28 |
| QC Sample Results . . . . .     | 32 |
| Receipt Checklists . . . . .    | 37 |
| Chain of Custody . . . . .      | 38 |
| Certification Summary . . . . . | 39 |

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



## Case Narrative

Client: Stantec Consulting Services, Inc.  
Project: Blanco North Flare Pit

Job ID: 400-259268-1

**Job ID: 400-259268-1**

**Eurofins Pensacola**

### Job Narrative 400-259268-1

#### Receipt

The samples were received on 7/16/2024 9:38 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 1.4° C.

#### GC/MS VOA

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-61 38' (400-259268-2) and MW-61 41' (400-259268-3). Elevated reporting limits (RLs) are provided.

#### GC VOA

Method 8015C: The following samples were diluted because the base dilution for methanol preserved samples is 1:50: MW-61 27' (400-259268-1), MW-62 20' (400-259268-4), MW-62 41' (400-259268-5), MW-62 47' (400-259268-6), MP-5 30' (400-259268-7), MP-5 46' (400-259268-8) and MP-5 50' (400-259268-9).

Method 8015C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-61 38' (400-259268-2) and MW-61 41' (400-259268-3). Elevated reporting limits (RLs) are provided.

#### GC Semi VOA

Method 8015C: The method blank for preparation batch 400-678209 and analytical batch 400-678320 contained Oil Range Organics (C28-C35) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-61 38' (400-259268-2). 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.

Eurofins Pensacola

## Detection Summary

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

Job ID: 400-259268-1

## Client Sample ID: MW-61 27'

## Lab Sample ID: 400-259268-1

| Analyte                         | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Xylenes, Total                  | 0.0031 | J         | 0.011 | 0.0022 | mg/Kg | 1       | ✱ | 8260D  | Total/NA  |
| Diesel Range Organics [C10-C28] | 4.3    | J         | 5.7   | 2.3    | mg/Kg | 1       | ✱ | 8015C  | Total/NA  |
| Chloride                        | 2.7    | J         | 23    | 2.7    | mg/Kg | 1       | ✱ | 300.0  | Soluble   |

## Client Sample ID: MW-61 38'

## Lab Sample ID: 400-259268-2

| Analyte                         | Result | Qualifier | RL  | MDL  | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|-----|------|-------|---------|---|--------|-----------|
| Benzene                         | 21     |           | 3.6 | 0.49 | mg/Kg | 500     | ✱ | 8260D  | Total/NA  |
| Ethylbenzene                    | 9.3    |           | 3.6 | 0.44 | mg/Kg | 500     | ✱ | 8260D  | Total/NA  |
| Toluene                         | 140    |           | 3.6 | 0.73 | mg/Kg | 500     | ✱ | 8260D  | Total/NA  |
| Xylenes, Total                  | 150    |           | 7.3 | 1.4  | mg/Kg | 500     | ✱ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)   | 8700   |           | 290 | 150  | mg/Kg | 2000    | ✱ | 8015C  | Total/NA  |
| C6--C10                         |        |           |     |      |       |         |   |        |           |
| Diesel Range Organics [C10-C28] | 4100   |           | 63  | 25   | mg/Kg | 10      | ✱ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)    | 160    | B         | 63  | 25   | mg/Kg | 10      | ✱ | 8015C  | Total/NA  |
| Chloride                        | 18     | J         | 25  | 2.9  | mg/Kg | 1       | ✱ | 300.0  | Soluble   |

## Client Sample ID: MW-61 41'

## Lab Sample ID: 400-259268-3

| Analyte                         | Result | Qualifier | RL   | MDL   | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|------|-------|-------|---------|---|--------|-----------|
| Ethylbenzene                    | 0.14   | J         | 0.38 | 0.047 | mg/Kg | 50      | ✱ | 8260D  | Total/NA  |
| Toluene                         | 0.38   |           | 0.38 | 0.077 | mg/Kg | 50      | ✱ | 8260D  | Total/NA  |
| Xylenes, Total                  | 2.1    |           | 0.77 | 0.15  | mg/Kg | 50      | ✱ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)   | 120    |           | 15   | 7.7   | mg/Kg | 100     | ✱ | 8015C  | Total/NA  |
| C6--C10                         |        |           |      |       |       |         |   |        |           |
| Diesel Range Organics [C10-C28] | 27     |           | 6.3  | 2.5   | mg/Kg | 1       | ✱ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)    | 8.3    | B         | 6.3  | 2.5   | mg/Kg | 1       | ✱ | 8015C  | Total/NA  |
| Chloride                        | 12     | J         | 25   | 2.9   | mg/Kg | 1       | ✱ | 300.0  | Soluble   |

## Client Sample ID: MW-62 20'

## Lab Sample ID: 400-259268-4

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|-----|-----|-------|---------|---|--------|-----------|
| Diesel Range Organics [C10-C28] | 4.6    | J         | 5.7 | 2.3 | mg/Kg | 1       | ✱ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)    | 5.0    | J B       | 5.7 | 2.3 | mg/Kg | 1       | ✱ | 8015C  | Total/NA  |
| Chloride                        | 2.9    | J         | 24  | 2.7 | mg/Kg | 1       | ✱ | 300.0  | Soluble   |

## Client Sample ID: MW-62 41'

## Lab Sample ID: 400-259268-5

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|-----|-----|-------|---------|---|--------|-----------|
| Diesel Range Organics [C10-C28] | 5.7    | J         | 6.4 | 2.6 | mg/Kg | 1       | ✱ | 8015C  | Total/NA  |
| Chloride                        | 21     | J         | 26  | 3.0 | mg/Kg | 1       | ✱ | 300.0  | Soluble   |

## Client Sample ID: MW-62 47'

## Lab Sample ID: 400-259268-6

| Analyte                         | Result | Qualifier | RL     | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|--------|---------|-------|---------|---|--------|-----------|
| Benzene                         | 0.020  |           | 0.0062 | 0.00083 | mg/Kg | 1       | ✱ | 8260D  | Total/NA  |
| Ethylbenzene                    | 0.0013 | J         | 0.0062 | 0.00076 | mg/Kg | 1       | ✱ | 8260D  | Total/NA  |
| Xylenes, Total                  | 0.0045 | J         | 0.012  | 0.0024  | mg/Kg | 1       | ✱ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)   | 4.5    | J         | 7.4    | 3.7     | mg/Kg | 50      | ✱ | 8015C  | Total/NA  |
| C6--C10                         |        |           |        |         |       |         |   |        |           |
| Diesel Range Organics [C10-C28] | 36     |           | 6.4    | 2.5     | mg/Kg | 1       | ✱ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)    | 3.6    | J B       | 6.4    | 2.5     | mg/Kg | 1       | ✱ | 8015C  | Total/NA  |
| Chloride                        | 15     | J         | 26     | 3.0     | mg/Kg | 1       | ✱ | 300.0  | Soluble   |

This Detection Summary does not include radiochemical test results.

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## Detection Summary

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

Job ID: 400-259268-1

## Client Sample ID: MP-5 30'

## Lab Sample ID: 400-259268-7

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|-----|-----|-------|---------|---|--------|-----------|
| Diesel Range Organics [C10-C28] | 5.6    | J         | 6.4 | 2.5 | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)    | 3.1    | J B       | 6.4 | 2.5 | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Chloride                        | 16     | J         | 26  | 3.0 | mg/Kg | 1       | ✧ | 300.0  | Soluble   |

## Client Sample ID: MP-5 46'

## Lab Sample ID: 400-259268-8

| Analyte                         | Result | Qualifier | RL     | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|--------|-----------|--------|---------|-------|---------|---|--------|-----------|
| Benzene                         | 0.060  |           | 0.0060 | 0.00080 | mg/Kg | 1       | ✧ | 8260D  | Total/NA  |
| Ethylbenzene                    | 0.0062 |           | 0.0060 | 0.00073 | mg/Kg | 1       | ✧ | 8260D  | Total/NA  |
| Toluene                         | 0.21   |           | 0.0060 | 0.0012  | mg/Kg | 1       | ✧ | 8260D  | Total/NA  |
| Xylenes, Total                  | 0.055  |           | 0.012  | 0.0023  | mg/Kg | 1       | ✧ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)   | 59     |           | 8.0    | 4.0     | mg/Kg | 50      | ✧ | 8015C  | Total/NA  |
| C6--C10                         |        |           |        |         |       |         |   |        |           |
| Diesel Range Organics [C10-C28] | 10     |           | 6.4    | 2.6     | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)    | 4.3    | J B       | 6.4    | 2.6     | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Chloride                        | 8.9    | J         | 26     | 3.0     | mg/Kg | 1       | ✧ | 300.0  | Soluble   |

## Client Sample ID: MP-5 50'

## Lab Sample ID: 400-259268-9

| Analyte                         | Result  | Qualifier | RL     | MDL     | Unit  | Dil Fac | D | Method | Prep Type |
|---------------------------------|---------|-----------|--------|---------|-------|---------|---|--------|-----------|
| Benzene                         | 0.00092 | J         | 0.0064 | 0.00086 | mg/Kg | 1       | ✧ | 8260D  | Total/NA  |
| Ethylbenzene                    | 0.0012  | J         | 0.0064 | 0.00078 | mg/Kg | 1       | ✧ | 8260D  | Total/NA  |
| Toluene                         | 0.015   |           | 0.0064 | 0.0013  | mg/Kg | 1       | ✧ | 8260D  | Total/NA  |
| Xylenes, Total                  | 0.0093  | J         | 0.013  | 0.0024  | mg/Kg | 1       | ✧ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)   | 15      |           | 8.3    | 4.2     | mg/Kg | 50      | ✧ | 8015C  | Total/NA  |
| C6--C10                         |         |           |        |         |       |         |   |        |           |
| Diesel Range Organics [C10-C28] | 4.2     | J         | 6.6    | 2.6     | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Chloride                        | 12      | J         | 27     | 3.1     | mg/Kg | 1       | ✧ | 300.0  | Soluble   |

This Detection Summary does not include radiochemical test results.

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Method Summary

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

Job ID: 400-259268-1

| Method   | Method Description                  | Protocol | Laboratory |
|----------|-------------------------------------|----------|------------|
| 8260D    | Volatile Organic Compounds by GC/MS | SW846    | EET PEN    |
| 8015C    | Gasoline Range Organics (GRO) (GC)  | SW846    | EET PEN    |
| 8015C    | Diesel Range Organics (DRO) (GC)    | EPA      | EET PEN    |
| 300.0    | Anions, Ion Chromatography          | EPA      | EET PEN    |
| Moisture | Percent Moisture                    | EPA      | EET PEN    |
| 3546     | Microwave Extraction                | SW846    | EET PEN    |
| 5035     | Closed System Purge and Trap        | SW846    | EET PEN    |
| DI Leach | Deionized Water Leaching Procedure  | ASTM     | EET PEN    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 400-259268-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 400-259268-1  | MW-61 27'        | Solid  | 07/09/24 13:18 | 07/16/24 09:38 |
| 400-259268-2  | MW-61 38'        | Solid  | 07/09/24 14:16 | 07/16/24 09:38 |
| 400-259268-3  | MW-61 41'        | Solid  | 07/09/24 14:30 | 07/16/24 09:38 |
| 400-259268-4  | MW-62 20'        | Solid  | 07/11/24 14:12 | 07/16/24 09:38 |
| 400-259268-5  | MW-62 41'        | Solid  | 07/11/24 15:50 | 07/16/24 09:38 |
| 400-259268-6  | MW-62 47'        | Solid  | 07/11/24 16:54 | 07/16/24 09:38 |
| 400-259268-7  | MP-5 30'         | Solid  | 07/14/24 08:18 | 07/16/24 09:38 |
| 400-259268-8  | MP-5 46'         | Solid  | 07/14/24 10:23 | 07/16/24 09:38 |
| 400-259268-9  | MP-5 50'         | Solid  | 07/14/24 10:50 | 07/16/24 09:38 |

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

## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MW-61 27'

Lab Sample ID: 400-259268-1

Date Collected: 07/09/24 13:18

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 85.7

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

| Analyte               | Result        | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|---------------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene               | 0.00077       | U         | 0.0057 | 0.00077 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 11:46 | 1       |
| Ethylbenzene          | 0.00070       | U         | 0.0057 | 0.00070 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 11:46 | 1       |
| Toluene               | 0.0011        | U         | 0.0057 | 0.0011  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 11:46 | 1       |
| <b>Xylenes, Total</b> | <b>0.0031</b> | <b>J</b>  | 0.011  | 0.0022  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 11:46 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 99        |           | 67 - 130 | 07/19/24 09:00 | 07/19/24 11:46 | 1       |
| Dibromofluoromethane | 107       |           | 77 - 127 | 07/19/24 09:00 | 07/19/24 11:46 | 1       |
| Toluene-d8 (Surr)    | 94        |           | 76 - 127 | 07/19/24 09:00 | 07/19/24 11:46 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                                  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 3.3    | U         | 6.6 | 3.3 | mg/Kg | ☆ | 07/23/24 09:20 | 07/23/24 11:05 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 101       |           | 65 - 125 | 07/23/24 09:20 | 07/23/24 11:05 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                                | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| <b>Diesel Range Organics [C10-C28]</b> | <b>4.3</b> | <b>J</b>  | 5.7 | 2.3 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 21:31 | 1       |
| Oil Range Organics (C28-C35)           | 2.3        | U         | 5.7 | 2.3 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 21:31 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 121       |           | 27 - 150 | 07/18/24 08:38 | 07/18/24 21:31 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte         | Result     | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------------|------------|-----------|----|-----|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>2.7</b> | <b>J</b>  | 23 | 2.7 | mg/Kg | ☆ |          | 07/16/24 23:22 | 1       |

## General Chemistry

| Analyte                                | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|--|-------------|-----------|------|------|------|---|----------|----------------|---------|
| <b>Percent Solids (EPA Moisture)</b>   | <b>85.7</b> |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| <b>Percent Moisture (EPA Moisture)</b> | <b>14.3</b> |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MW-61 38'

Lab Sample ID: 400-259268-2

Date Collected: 07/09/24 14:16

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 78.9

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

| Analyte        | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Benzene        | 21     |           | 3.6 | 0.49 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 20:19 | 500     |
| Ethylbenzene   | 9.3    |           | 3.6 | 0.44 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 20:19 | 500     |
| Toluene        | 140    |           | 3.6 | 0.73 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 20:19 | 500     |
| Xylenes, Total | 150    |           | 7.3 | 1.4  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 20:19 | 500     |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 99        |           | 67 - 130 | 07/19/24 09:00 | 07/19/24 20:19 | 500     |
| Dibromofluoromethane | 97        |           | 77 - 127 | 07/19/24 09:00 | 07/19/24 20:19 | 500     |
| Toluene-d8 (Surr)    | 118       |           | 76 - 127 | 07/19/24 09:00 | 07/19/24 20:19 | 500     |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 8700   |           | 290 | 150 | mg/Kg | ☆ | 07/23/24 09:20 | 07/23/24 14:08 | 2000    |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 92        |           | 65 - 125 | 07/23/24 09:20 | 07/23/24 14:08 | 2000    |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 4100   |           | 63 | 25  | mg/Kg | ☆ | 07/18/24 08:38 | 07/22/24 17:11 | 10      |
| Oil Range Organics (C28-C35)    | 160    | B         | 63 | 25  | mg/Kg | ☆ | 07/18/24 08:38 | 07/22/24 17:11 | 10      |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 109       |           | 27 - 150 | 07/18/24 08:38 | 07/22/24 17:11 | 10      |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 18     | J         | 25 | 2.9 | mg/Kg | ☆ |          | 07/16/24 23:30 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 78.9   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| Percent Moisture (EPA Moisture) | 21.1   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MW-61 41'

Lab Sample ID: 400-259268-3

Date Collected: 07/09/24 14:30

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 79.0

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

| Analyte              | Result    | Qualifier | RL       | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| Benzene              | 0.052     | U         | 0.38     | 0.052 | mg/Kg | ☆ | 07/20/24 09:35 | 07/20/24 12:58 | 50      |
| Ethylbenzene         | 0.14      | J         | 0.38     | 0.047 | mg/Kg | ☆ | 07/20/24 09:35 | 07/20/24 12:58 | 50      |
| Toluene              | 0.38      |           | 0.38     | 0.077 | mg/Kg | ☆ | 07/20/24 09:35 | 07/20/24 12:58 | 50      |
| Xylenes, Total       | 2.1       |           | 0.77     | 0.15  | mg/Kg | ☆ | 07/20/24 09:35 | 07/20/24 12:58 | 50      |
| Surrogate            | %Recovery | Qualifier | Limits   |       |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene | 99        |           | 67 - 130 |       |       |   | 07/20/24 09:35 | 07/20/24 12:58 | 50      |
| Dibromofluoromethane | 100       |           | 77 - 127 |       |       |   | 07/20/24 09:35 | 07/20/24 12:58 | 50      |
| Toluene-d8 (Surr)    | 96        |           | 76 - 127 |       |       |   | 07/20/24 09:35 | 07/20/24 12:58 | 50      |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 120       |           | 15       | 7.7 | mg/Kg | ☆ | 07/23/24 09:20 | 07/23/24 12:23 | 100     |
| Surrogate                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| a,a,a-Trifluorotoluene (fid)          | 97        |           | 65 - 125 |     |       |   | 07/23/24 09:20 | 07/23/24 12:23 | 100     |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 27        |           | 6.3      | 2.5 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 21:58 | 1       |
| Oil Range Organics (C28-C35)    | 8.3       | B         | 6.3      | 2.5 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 21:58 | 1       |
| Surrogate                       | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| o-Terphenyl (Surr)              | 135       |           | 27 - 150 |     |       |   | 07/18/24 08:38 | 07/18/24 21:58 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 12     | J         | 25 | 2.9 | mg/Kg | ☆ |          | 07/16/24 23:39 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 79.0   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| Percent Moisture (EPA Moisture) | 21.0   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MW-62 20'

Lab Sample ID: 400-259268-4

Date Collected: 07/11/24 14:12

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 83.3

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

| Analyte        | Result  | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene        | 0.00074 | U         | 0.0055 | 0.00074 | mg/Kg | ✧ | 07/19/24 09:00 | 07/19/24 17:37 | 1       |
| Ethylbenzene   | 0.00067 | U         | 0.0055 | 0.00067 | mg/Kg | ✧ | 07/19/24 09:00 | 07/19/24 17:37 | 1       |
| Toluene        | 0.0011  | U         | 0.0055 | 0.0011  | mg/Kg | ✧ | 07/19/24 09:00 | 07/19/24 17:37 | 1       |
| Xylenes, Total | 0.0021  | U         | 0.011  | 0.0021  | mg/Kg | ✧ | 07/19/24 09:00 | 07/19/24 17:37 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 97        |           | 67 - 130 | 07/19/24 09:00 | 07/19/24 17:37 | 1       |
| Dibromofluoromethane | 105       |           | 77 - 127 | 07/19/24 09:00 | 07/19/24 17:37 | 1       |
| Toluene-d8 (Surr)    | 94        |           | 76 - 127 | 07/19/24 09:00 | 07/19/24 17:37 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                                  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 3.5    | U         | 7.0 | 3.5 | mg/Kg | ✧ | 07/23/24 09:20 | 07/23/24 11:31 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 101       |           | 65 - 125 | 07/23/24 09:20 | 07/23/24 11:31 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 4.6    | J         | 5.7 | 2.3 | mg/Kg | ✧ | 07/18/24 08:38 | 07/18/24 22:12 | 1       |
| Oil Range Organics (C28-C35)    | 5.0    | J B       | 5.7 | 2.3 | mg/Kg | ✧ | 07/18/24 08:38 | 07/18/24 22:12 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 126       |           | 27 - 150 | 07/18/24 08:38 | 07/18/24 22:12 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 2.9    | J         | 24 | 2.7 | mg/Kg | ✧ |          | 07/16/24 23:47 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 83.3   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| Percent Moisture (EPA Moisture) | 16.7   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MW-62 41'

Lab Sample ID: 400-259268-5

Date Collected: 07/11/24 15:50

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 77.5

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

| Analyte              | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene              | 0.00079   | U         | 0.0059   | 0.00079 | mg/Kg | ✱ | 07/19/24 09:00 | 07/19/24 18:04 | 1       |
| Ethylbenzene         | 0.00072   | U         | 0.0059   | 0.00072 | mg/Kg | ✱ | 07/19/24 09:00 | 07/19/24 18:04 | 1       |
| Toluene              | 0.0012    | U         | 0.0059   | 0.0012  | mg/Kg | ✱ | 07/19/24 09:00 | 07/19/24 18:04 | 1       |
| Xylenes, Total       | 0.0022    | U         | 0.012    | 0.0022  | mg/Kg | ✱ | 07/19/24 09:00 | 07/19/24 18:04 | 1       |
| Surrogate            | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene | 97        |           | 67 - 130 |         |       |   | 07/19/24 09:00 | 07/19/24 18:04 | 1       |
| Dibromofluoromethane | 108       |           | 77 - 127 |         |       |   | 07/19/24 09:00 | 07/19/24 18:04 | 1       |
| Toluene-d8 (Surr)    | 93        |           | 76 - 127 |         |       |   | 07/19/24 09:00 | 07/19/24 18:04 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                                  | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 3.6       | U         | 7.2      | 3.6 | mg/Kg | ✱ | 07/23/24 09:20 | 07/23/24 17:55 | 50      |
| Surrogate                                | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| a,a,a-Trifluorotoluene (fid)             | 102       |           | 65 - 125 |     |       |   | 07/23/24 09:20 | 07/23/24 17:55 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 5.7       | J         | 6.4      | 2.6 | mg/Kg | ✱ | 07/18/24 08:38 | 07/18/24 22:26 | 1       |
| Oil Range Organics (C28-C35)    | 2.6       | U         | 6.4      | 2.6 | mg/Kg | ✱ | 07/18/24 08:38 | 07/18/24 22:26 | 1       |
| Surrogate                       | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| o-Terphenyl (Surr)              | 127       |           | 27 - 150 |     |       |   | 07/18/24 08:38 | 07/18/24 22:26 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 21     | J         | 26 | 3.0 | mg/Kg | ✱ |          | 07/16/24 23:56 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 77.5   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| Percent Moisture (EPA Moisture) | 22.5   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MW-62 47'

Lab Sample ID: 400-259268-6

Date Collected: 07/11/24 16:54

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 76.1

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

| Analyte              | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene              | 0.020     |           | 0.0062   | 0.00083 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 18:31 | 1       |
| Ethylbenzene         | 0.0013    | J         | 0.0062   | 0.00076 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 18:31 | 1       |
| Toluene              | 0.0012    | U         | 0.0062   | 0.0012  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 18:31 | 1       |
| Xylenes, Total       | 0.0045    | J         | 0.012    | 0.0024  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 18:31 | 1       |
| Surrogate            | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene | 96        |           | 67 - 130 |         |       |   | 07/19/24 09:00 | 07/19/24 18:31 | 1       |
| Dibromofluoromethane | 107       |           | 77 - 127 |         |       |   | 07/19/24 09:00 | 07/19/24 18:31 | 1       |
| Toluene-d8 (Surr)    | 94        |           | 76 - 127 |         |       |   | 07/19/24 09:00 | 07/19/24 18:31 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 4.5       | J         | 7.4      | 3.7 | mg/Kg | ☆ | 07/23/24 09:20 | 07/23/24 18:21 | 50      |
| Surrogate                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| a,a,a-Trifluorotoluene (fid)          | 104       |           | 65 - 125 |     |       |   | 07/23/24 09:20 | 07/23/24 18:21 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 36        |           | 6.4      | 2.5 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 22:40 | 1       |
| Oil Range Organics (C28-C35)    | 3.6       | J B       | 6.4      | 2.5 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 22:40 | 1       |
| Surrogate                       | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| o-Terphenyl (Surr)              | 136       |           | 27 - 150 |     |       |   | 07/18/24 08:38 | 07/18/24 22:40 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 15     | J         | 26 | 3.0 | mg/Kg | ☆ |          | 07/17/24 00:04 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 76.1   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| Percent Moisture (EPA Moisture) | 23.9   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MP-5 30'

Lab Sample ID: 400-259268-7

Date Collected: 07/14/24 08:18

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 75.3

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

| Analyte        | Result  | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene        | 0.00085 | U         | 0.0063 | 0.00085 | mg/Kg | ✧ | 07/19/24 09:00 | 07/19/24 18:58 | 1       |
| Ethylbenzene   | 0.00077 | U         | 0.0063 | 0.00077 | mg/Kg | ✧ | 07/19/24 09:00 | 07/19/24 18:58 | 1       |
| Toluene        | 0.0013  | U         | 0.0063 | 0.0013  | mg/Kg | ✧ | 07/19/24 09:00 | 07/19/24 18:58 | 1       |
| Xylenes, Total | 0.0024  | U         | 0.013  | 0.0024  | mg/Kg | ✧ | 07/19/24 09:00 | 07/19/24 18:58 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 97        |           | 67 - 130 | 07/19/24 09:00 | 07/19/24 18:58 | 1       |
| Dibromofluoromethane | 108       |           | 77 - 127 | 07/19/24 09:00 | 07/19/24 18:58 | 1       |
| Toluene-d8 (Surr)    | 94        |           | 76 - 127 | 07/19/24 09:00 | 07/19/24 18:58 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                                  | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 3.7    | U         | 7.5 | 3.7 | mg/Kg | ✧ | 07/23/24 09:20 | 07/23/24 18:48 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 102       |           | 65 - 125 | 07/23/24 09:20 | 07/23/24 18:48 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 5.6    | J         | 6.4 | 2.5 | mg/Kg | ✧ | 07/18/24 08:38 | 07/18/24 23:07 | 1       |
| Oil Range Organics (C28-C35)    | 3.1    | J B       | 6.4 | 2.5 | mg/Kg | ✧ | 07/18/24 08:38 | 07/18/24 23:07 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 126       |           | 27 - 150 | 07/18/24 08:38 | 07/18/24 23:07 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 16     | J         | 26 | 3.0 | mg/Kg | ✧ |          | 07/17/24 00:13 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 75.3   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| Percent Moisture (EPA Moisture) | 24.7   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MP-5 46'

Lab Sample ID: 400-259268-8

Date Collected: 07/14/24 10:23

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 76.2

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

| Analyte              | Result    | Qualifier | RL       | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|---------|-------|---|----------------|----------------|---------|
| Benzene              | 0.060     |           | 0.0060   | 0.00080 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 19:25 | 1       |
| Ethylbenzene         | 0.0062    |           | 0.0060   | 0.00073 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 19:25 | 1       |
| Toluene              | 0.21      |           | 0.0060   | 0.0012  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 19:25 | 1       |
| Xylenes, Total       | 0.055     |           | 0.012    | 0.0023  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 19:25 | 1       |
| Surrogate            | %Recovery | Qualifier | Limits   |         |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene | 105       |           | 67 - 130 |         |       |   | 07/19/24 09:00 | 07/19/24 19:25 | 1       |
| Dibromofluoromethane | 100       |           | 77 - 127 |         |       |   | 07/19/24 09:00 | 07/19/24 19:25 | 1       |
| Toluene-d8 (Surr)    | 97        |           | 76 - 127 |         |       |   | 07/19/24 09:00 | 07/19/24 19:25 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 59        |           | 8.0      | 4.0 | mg/Kg | ☆ | 07/23/24 09:20 | 07/23/24 11:57 | 50      |
| Surrogate                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| a,a,a-Trifluorotoluene (fid)          | 105       |           | 65 - 125 |     |       |   | 07/23/24 09:20 | 07/23/24 11:57 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 10        |           | 6.4      | 2.6 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 23:21 | 1       |
| Oil Range Organics (C28-C35)    | 4.3       | J B       | 6.4      | 2.6 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 23:21 | 1       |
| Surrogate                       | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| o-Terphenyl (Surr)              | 118       |           | 27 - 150 |     |       |   | 07/18/24 08:38 | 07/18/24 23:21 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 8.9    | J         | 26 | 3.0 | mg/Kg | ☆ |          | 07/17/24 00:21 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 76.2   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| Percent Moisture (EPA Moisture) | 23.8   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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## Client Sample Results

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

Job ID: 400-259268-1

Client Sample ID: MP-5 50'

Lab Sample ID: 400-259268-9

Date Collected: 07/14/24 10:50

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 73.2

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

| Analyte        | Result  | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene        | 0.00092 | J         | 0.0064 | 0.00086 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 19:52 | 1       |
| Ethylbenzene   | 0.0012  | J         | 0.0064 | 0.00078 | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 19:52 | 1       |
| Toluene        | 0.015   |           | 0.0064 | 0.0013  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 19:52 | 1       |
| Xylenes, Total | 0.0093  | J         | 0.013  | 0.0024  | mg/Kg | ☆ | 07/19/24 09:00 | 07/19/24 19:52 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 106       |           | 67 - 130 | 07/19/24 09:00 | 07/19/24 19:52 | 1       |
| Dibromofluoromethane | 102       |           | 77 - 127 | 07/19/24 09:00 | 07/19/24 19:52 | 1       |
| Toluene-d8 (Surr)    | 96        |           | 76 - 127 | 07/19/24 09:00 | 07/19/24 19:52 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 15     |           | 8.3 | 4.2 | mg/Kg | ☆ | 07/23/24 09:20 | 07/23/24 19:14 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 104       |           | 65 - 125 | 07/23/24 09:20 | 07/23/24 19:14 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 4.2    | J         | 6.6 | 2.6 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 23:35 | 1       |
| Oil Range Organics (C28-C35)    | 2.6    | U         | 6.6 | 2.6 | mg/Kg | ☆ | 07/18/24 08:38 | 07/18/24 23:35 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 108       |           | 27 - 150 | 07/18/24 08:38 | 07/18/24 23:35 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 12     | J         | 27 | 3.1 | mg/Kg | ☆ |          | 07/17/24 00:30 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 73.2   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |
| Percent Moisture (EPA Moisture) | 26.8   |           | 0.01 | 0.01 | %    |   |          | 07/18/24 14:50 | 1       |

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Definitions/Glossary

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

Job ID: 400-259268-1

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.   |

GC 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.   |

GC Semi VOA

| Qualifier | Qualifier Description  |
|-----------|--|
| B         | Compound was found in the blank and sample.  |
| 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  |
|-----------|--|
| 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 North Flare Pit

Job ID: 400-259268-1

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

Matrix: Solid

Prep Type: Total/NA

|                             |                    | Percent Surrogate Recovery (Acceptance Limits) |          |          |
|-----------------------------|--------------------|--|----------|----------|
| Lab Sample ID               | Client Sample ID   | BFB  | DBFM     | TOL      |
|                             |                    | (67-130)                                       | (77-127) | (76-127) |
| 400-259268-1                | MW-61 27'          | 99   | 107      | 94       |
| 400-259268-1 MS             | MW-61 27'          | 98   | 100      | 96       |
| 400-259268-1 MSD            | MW-61 27'          | 97   | 101      | 97       |
| 400-259268-2                | MW-61 38'          | 99   | 97       | 118      |
| 400-259268-3                | MW-61 41'          | 99   | 100      | 96       |
| 400-259268-3 MS             | MW-61 41'          | 97   | 100      | 97       |
| 400-259268-3 MSD            | MW-61 41'          | 97   | 99       | 97       |
| 400-259268-4                | MW-62 20'          | 97   | 105      | 94       |
| 400-259268-5                | MW-62 41'          | 97   | 108      | 93       |
| 400-259268-6                | MW-62 47'          | 96   | 107      | 94       |
| 400-259268-7                | MP-5 30'           | 97   | 108      | 94       |
| 400-259268-8                | MP-5 46'           | 105  | 100      | 97       |
| 400-259268-9                | MP-5 50'           | 106  | 102      | 96       |
| LCS 400-678388/2-A          | Lab Control Sample | 96   | 100      | 97       |
| LCS 400-678507/1-A          | Lab Control Sample | 95   | 99       | 95       |
| MB 400-678388/1-A           | Method Blank       | 99   | 105      | 93       |
| MB 400-678507/2-A           | Method Blank       | 98   | 103      | 95       |
| <b>Surrogate Legend</b>     |                    |  |          |          |
| BFB = 4-Bromofluorobenzene  |                    |  |          |          |
| DBFM = Dibromofluoromethane |                    |  |          |          |
| TOL = Toluene-d8 (Surr)     |                    |  |          |          |

## Method: 8015C - Gasoline Range Organics (GRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                                      |                    | Percent Surrogate Recovery (Acceptance Limits) |  |  |
|--------------------------------------|--------------------|--|--|--|
| Lab Sample ID                        | Client Sample ID   | TFT-F2   |  |  |
|                                      |                    | (65-125)                                       |  |  |
| 400-259268-1                         | MW-61 27'          | 101  |  |  |
| 400-259268-1 MS                      | MW-61 27'          | 105  |  |  |
| 400-259268-1 MSD                     | MW-61 27'          | 104  |  |  |
| 400-259268-2                         | MW-61 38'          | 92   |  |  |
| 400-259268-3                         | MW-61 41'          | 97   |  |  |
| 400-259268-4                         | MW-62 20'          | 101  |  |  |
| 400-259268-5                         | MW-62 41'          | 102  |  |  |
| 400-259268-6                         | MW-62 47'          | 104  |  |  |
| 400-259268-7                         | MP-5 30'           | 102  |  |  |
| 400-259268-8                         | MP-5 46'           | 105  |  |  |
| 400-259268-9                         | MP-5 50'           | 104  |  |  |
| LCS 400-678721/2-A                   | Lab Control Sample | 102  |  |  |
| MB 400-678721/1-A                    | Method Blank       | 101  |  |  |
| <b>Surrogate Legend</b>              |                    |  |  |  |
| TFT-F = a,a,a-Trifluorotoluene (fid) |                    |  |  |  |

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Surrogate Summary

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

Job ID: 400-259268-1

Method: 8015C - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

| Percent Surrogate Recovery (Acceptance Limits) |                    |                   |
|--|--------------------|-------------------|
| Lab Sample ID                                  | Client Sample ID   | OTPH1<br>(27-150) |
| 400-259268-1                                   | MW-61 27'          | 121               |
| 400-259268-1 MS                                | MW-61 27'          | 102               |
| 400-259268-1 MSD                               | MW-61 27'          | 92                |
| 400-259268-2                                   | MW-61 38'          | 109               |
| 400-259268-3                                   | MW-61 41'          | 135               |
| 400-259268-4                                   | MW-62 20'          | 126               |
| 400-259268-5                                   | MW-62 41'          | 127               |
| 400-259268-6                                   | MW-62 47'          | 136               |
| 400-259268-7                                   | MP-5 30'           | 126               |
| 400-259268-8                                   | MP-5 46'           | 118               |
| 400-259268-9                                   | MP-5 50'           | 108               |
| LCS 400-678209/2-A                             | Lab Control Sample | 112               |
| MB 400-678209/1-A                              | Method Blank       | 90                |

Surrogate Legend

OTPH = o-Terphenyl (Surr)

## Lab Chronicle

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

Job ID: 400-259268-1

Client Sample ID: MW-61 27'

Lab Sample ID: 400-259268-1

Date Collected: 07/09/24 13:18

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

Client Sample ID: MW-61 27'

Lab Sample ID: 400-259268-1

Date Collected: 07/09/24 13:18

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 85.7

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.09 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 11:46       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 11:05       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.26 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 21:31       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.518 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/16/24 23:22       | AMM     | EET PEN |

Client Sample ID: MW-61 38'

Lab Sample ID: 400-259268-2

Date Collected: 07/09/24 14:16

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

Client Sample ID: MW-61 38'

Lab Sample ID: 400-259268-2

Date Collected: 07/09/24 14:16

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 78.9

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.34 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 500        | 5 mL           | 5 mL         | 678368       | 07/19/24 20:19       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.34 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 2000       | 5 mL           | 5 mL         | 678694       | 07/23/24 14:08       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.14 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 10         | 1 mL           | 1 mL         | 678659       | 07/22/24 17:11       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.527 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/16/24 23:30       | AMM     | EET PEN |

Client Sample ID: MW-61 41'

Lab Sample ID: 400-259268-3

Date Collected: 07/09/24 14:30

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259268-1

Client Sample ID: MW-61 41'

Lab Sample ID: 400-259268-3

Date Collected: 07/09/24 14:30

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 79.0

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5.00 g       | 678507       | 07/20/24 09:35       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 50         | 5 mL           | 5 mL         | 678498       | 07/20/24 12:58       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 100        | 5 mL           | 5 mL         | 678694       | 07/23/24 12:23       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.17 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 21:58       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.521 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/16/24 23:39       | AMM     | EET PEN |

Client Sample ID: MW-62 20'

Lab Sample ID: 400-259268-4

Date Collected: 07/11/24 14:12

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

Client Sample ID: MW-62 20'

Lab Sample ID: 400-259268-4

Date Collected: 07/11/24 14:12

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 83.3

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.46 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 17:37       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 11:31       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.67 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 22:12       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.516 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/16/24 23:47       | AMM     | EET PEN |

Client Sample ID: MW-62 41'

Lab Sample ID: 400-259268-5

Date Collected: 07/11/24 15:50

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

Client Sample ID: MW-62 41'

Lab Sample ID: 400-259268-5

Date Collected: 07/11/24 15:50

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 77.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.50 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 18:04       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.64 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 17:55       | NMB     | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259268-1

Client Sample ID: MW-62 41'

Lab Sample ID: 400-259268-5

Date Collected: 07/11/24 15:50

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 77.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3546         |     |            | 15.15 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 22:26       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.510 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/16/24 23:56       | AMM     | EET PEN |

Client Sample ID: MW-62 47'

Lab Sample ID: 400-259268-6

Date Collected: 07/11/24 16:54

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

Client Sample ID: MW-62 47'

Lab Sample ID: 400-259268-6

Date Collected: 07/11/24 16:54

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 76.1

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.28 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 18:31       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.59 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 18:21       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.47 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 22:40       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.514 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/17/24 00:04       | AMM     | EET PEN |

Client Sample ID: MP-5 30'

Lab Sample ID: 400-259268-7

Date Collected: 07/14/24 08:18

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

Client Sample ID: MP-5 30'

Lab Sample ID: 400-259268-7

Date Collected: 07/14/24 08:18

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 75.3

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.24 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 18:58       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.69 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 18:48       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.64 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 23:07       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.509 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/17/24 00:13       | AMM     | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259268-1

Client Sample ID: MP-5 46'

Lab Sample ID: 400-259268-8

Date Collected: 07/14/24 10:23

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

Client Sample ID: MP-5 46'

Lab Sample ID: 400-259268-8

Date Collected: 07/14/24 10:23

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 76.2

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.47 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 19:25       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.13 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 11:57       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.43 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 23:21       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.516 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/17/24 00:21       | AMM     | EET PEN |

Client Sample ID: MP-5 50'

Lab Sample ID: 400-259268-9

Date Collected: 07/14/24 10:50

Matrix: Solid

Date Received: 07/16/24 09:38

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678301       | 07/18/24 14:50       | TMP     | EET PEN |

Client Sample ID: MP-5 50'

Lab Sample ID: 400-259268-9

Date Collected: 07/14/24 10:50

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 73.2

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.35 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 19:52       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.24 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 19:14       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.52 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 23:35       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.518 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/17/24 00:30       | AMM     | EET PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-678024/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 2.500 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/16/24 21:31       | AMM     | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259268-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-678209/1-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 3546         |     |            | 15.00 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 20:22       | MP      | EET PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-678388/1-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5 g            | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 11:19       | CAR     | EET PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-678507/2-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5.00 g         | 5.00 g       | 678507       | 07/20/24 09:35       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678498       | 07/20/24 16:24       | BPO     | EET PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-678721/1-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5.00 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 5 mL           | 5 mL         | 678694       | 07/23/24 10:38       | NMB     | EET PEN |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-678024/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 2.516 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/16/24 21:39       | AMM     | EET PEN |

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-678209/2-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 3546         |     |            | 15.00 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 20:49       | MP      | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259268-1

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-678388/2-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5 g            | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 09:48       | CAR     | EET PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-678507/1-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5.00 g         | 5.00 g       | 678507       | 07/20/24 09:35       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678498       | 07/20/24 09:35       | BPO     | EET PEN |

## Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-678721/2-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5.00 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 5 mL           | 5 mL         | 678694       | 07/23/24 09:29       | NMB     | EET PEN |

## Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-678024/3-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 2.505 g        | 50 mL        | 678024       | 07/16/24 15:36       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678050       | 07/16/24 21:48       | AMM     | EET PEN |

## Client Sample ID: MW-61 27'

Lab Sample ID: 400-259268-1 MS

Date Collected: 07/09/24 13:18

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 85.7

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.22 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 12:13       | CAR     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 13:16       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.79 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 21:03       | MP      | EET PEN |

## Client Sample ID: MW-61 27'

Lab Sample ID: 400-259268-1 MSD

Date Collected: 07/09/24 13:18

Matrix: Solid

Date Received: 07/16/24 09:38

Percent Solids: 85.7

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.26 g         | 5 g          | 678388       | 07/19/24 09:00       | LSS     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678368       | 07/19/24 12:40       | CAR     | EET PEN |

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Lab Chronicle

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

Job ID: 400-259268-1

Client Sample ID: MW-61 27'  
Date Collected: 07/09/24 13:18  
Date Received: 07/16/24 09:38

Lab Sample ID: 400-259268-1 MSD  
Matrix: Solid  
Percent Solids: 85.7

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.04 g         | 5.00 g       | 678721       | 07/23/24 09:20       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678694       | 07/23/24 13:42       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.59 g        | 1 mL         | 678209       | 07/18/24 08:38       | AP      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678320       | 07/18/24 21:17       | MP      | EET PEN |

Client Sample ID: MW-61 41'  
Date Collected: 07/09/24 14:30  
Date Received: 07/16/24 09:38

Lab Sample ID: 400-259268-3 MS  
Matrix: Solid  
Percent Solids: 79.0

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5.00 g       | 678507       | 07/20/24 09:35       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 50         | 5 mL           | 5 mL         | 678498       | 07/20/24 15:30       | BPO     | EET PEN |

Client Sample ID: MW-61 41'  
Date Collected: 07/09/24 14:30  
Date Received: 07/16/24 09:38

Lab Sample ID: 400-259268-3 MSD  
Matrix: Solid  
Percent Solids: 79.0

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5.00 g       | 678507       | 07/20/24 09:35       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 50         | 5 mL           | 5 mL         | 678498       | 07/20/24 15:57       | BPO     | 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 North Flare Pit

Job ID: 400-259268-1

## GC/MS VOA

## Analysis Batch: 678368

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259268-1       | MW-61 27'          | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-2       | MW-61 38'          | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-4       | MW-62 20'          | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-5       | MW-62 41'          | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-6       | MW-62 47'          | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-7       | MP-5 30'           | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-8       | MP-5 46'           | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-9       | MP-5 50'           | Total/NA  | Solid  | 8260D  | 678388     |
| MB 400-678388/1-A  | Method Blank       | Total/NA  | Solid  | 8260D  | 678388     |
| LCS 400-678388/2-A | Lab Control Sample | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-1 MS    | MW-61 27'          | Total/NA  | Solid  | 8260D  | 678388     |
| 400-259268-1 MSD   | MW-61 27'          | Total/NA  | Solid  | 8260D  | 678388     |

## Prep Batch: 678388

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259268-1       | MW-61 27'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-2       | MW-61 38'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-4       | MW-62 20'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-5       | MW-62 41'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-6       | MW-62 47'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-7       | MP-5 30'           | Total/NA  | Solid  | 5035   |            |
| 400-259268-8       | MP-5 46'           | Total/NA  | Solid  | 5035   |            |
| 400-259268-9       | MP-5 50'           | Total/NA  | Solid  | 5035   |            |
| MB 400-678388/1-A  | Method Blank       | Total/NA  | Solid  | 5035   |            |
| LCS 400-678388/2-A | Lab Control Sample | Total/NA  | Solid  | 5035   |            |
| 400-259268-1 MS    | MW-61 27'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-1 MSD   | MW-61 27'          | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 678498

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259268-3       | MW-61 41'          | Total/NA  | Solid  | 8260D  | 678507     |
| MB 400-678507/2-A  | Method Blank       | Total/NA  | Solid  | 8260D  | 678507     |
| LCS 400-678507/1-A | Lab Control Sample | Total/NA  | Solid  | 8260D  | 678507     |
| 400-259268-3 MS    | MW-61 41'          | Total/NA  | Solid  | 8260D  | 678507     |
| 400-259268-3 MSD   | MW-61 41'          | Total/NA  | Solid  | 8260D  | 678507     |

## Prep Batch: 678507

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259268-3       | MW-61 41'          | Total/NA  | Solid  | 5035   |            |
| MB 400-678507/2-A  | Method Blank       | Total/NA  | Solid  | 5035   |            |
| LCS 400-678507/1-A | Lab Control Sample | Total/NA  | Solid  | 5035   |            |
| 400-259268-3 MS    | MW-61 41'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-3 MSD   | MW-61 41'          | Total/NA  | Solid  | 5035   |            |

## GC VOA

## Analysis Batch: 678694

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 400-259268-1  | MW-61 27'        | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-2  | MW-61 38'        | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-3  | MW-61 41'        | Total/NA  | Solid  | 8015C  | 678721     |

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## QC Association Summary

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

Job ID: 400-259268-1

## GC VOA (Continued)

## Analysis Batch: 678694 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259268-4       | MW-62 20'          | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-5       | MW-62 41'          | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-6       | MW-62 47'          | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-7       | MP-5 30'           | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-8       | MP-5 46'           | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-9       | MP-5 50'           | Total/NA  | Solid  | 8015C  | 678721     |
| MB 400-678721/1-A  | Method Blank       | Total/NA  | Solid  | 8015C  | 678721     |
| LCS 400-678721/2-A | Lab Control Sample | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-1 MS    | MW-61 27'          | Total/NA  | Solid  | 8015C  | 678721     |
| 400-259268-1 MSD   | MW-61 27'          | Total/NA  | Solid  | 8015C  | 678721     |

## Prep Batch: 678721

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259268-1       | MW-61 27'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-2       | MW-61 38'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-3       | MW-61 41'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-4       | MW-62 20'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-5       | MW-62 41'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-6       | MW-62 47'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-7       | MP-5 30'           | Total/NA  | Solid  | 5035   |            |
| 400-259268-8       | MP-5 46'           | Total/NA  | Solid  | 5035   |            |
| 400-259268-9       | MP-5 50'           | Total/NA  | Solid  | 5035   |            |
| MB 400-678721/1-A  | Method Blank       | Total/NA  | Solid  | 5035   |            |
| LCS 400-678721/2-A | Lab Control Sample | Total/NA  | Solid  | 5035   |            |
| 400-259268-1 MS    | MW-61 27'          | Total/NA  | Solid  | 5035   |            |
| 400-259268-1 MSD   | MW-61 27'          | Total/NA  | Solid  | 5035   |            |

## GC Semi VOA

## Prep Batch: 678209

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259268-1       | MW-61 27'          | Total/NA  | Solid  | 3546   |            |
| 400-259268-2       | MW-61 38'          | Total/NA  | Solid  | 3546   |            |
| 400-259268-3       | MW-61 41'          | Total/NA  | Solid  | 3546   |            |
| 400-259268-4       | MW-62 20'          | Total/NA  | Solid  | 3546   |            |
| 400-259268-5       | MW-62 41'          | Total/NA  | Solid  | 3546   |            |
| 400-259268-6       | MW-62 47'          | Total/NA  | Solid  | 3546   |            |
| 400-259268-7       | MP-5 30'           | Total/NA  | Solid  | 3546   |            |
| 400-259268-8       | MP-5 46'           | Total/NA  | Solid  | 3546   |            |
| 400-259268-9       | MP-5 50'           | Total/NA  | Solid  | 3546   |            |
| MB 400-678209/1-A  | Method Blank       | Total/NA  | Solid  | 3546   |            |
| LCS 400-678209/2-A | Lab Control Sample | Total/NA  | Solid  | 3546   |            |
| 400-259268-1 MS    | MW-61 27'          | Total/NA  | Solid  | 3546   |            |
| 400-259268-1 MSD   | MW-61 27'          | Total/NA  | Solid  | 3546   |            |

## Analysis Batch: 678320

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 400-259268-1  | MW-61 27'        | Total/NA  | Solid  | 8015C  | 678209     |
| 400-259268-3  | MW-61 41'        | Total/NA  | Solid  | 8015C  | 678209     |
| 400-259268-4  | MW-62 20'        | Total/NA  | Solid  | 8015C  | 678209     |
| 400-259268-5  | MW-62 41'        | Total/NA  | Solid  | 8015C  | 678209     |

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## QC Association Summary

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

Job ID: 400-259268-1

## GC Semi VOA (Continued)

## Analysis Batch: 678320 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259268-6       | MW-62 47'          | Total/NA  | Solid  | 8015C  | 678209     |
| 400-259268-7       | MP-5 30'           | Total/NA  | Solid  | 8015C  | 678209     |
| 400-259268-8       | MP-5 46'           | Total/NA  | Solid  | 8015C  | 678209     |
| 400-259268-9       | MP-5 50'           | Total/NA  | Solid  | 8015C  | 678209     |
| MB 400-678209/1-A  | Method Blank       | Total/NA  | Solid  | 8015C  | 678209     |
| LCS 400-678209/2-A | Lab Control Sample | Total/NA  | Solid  | 8015C  | 678209     |
| 400-259268-1 MS    | MW-61 27'          | Total/NA  | Solid  | 8015C  | 678209     |
| 400-259268-1 MSD   | MW-61 27'          | Total/NA  | Solid  | 8015C  | 678209     |

## Analysis Batch: 678659

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 400-259268-2  | MW-61 38'        | Total/NA  | Solid  | 8015C  | 678209     |

## HPLC/IC

## Leach Batch: 678024

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 400-259268-1        | MW-61 27'              | Soluble   | Solid  | DI Leach |            |
| 400-259268-2        | MW-61 38'              | Soluble   | Solid  | DI Leach |            |
| 400-259268-3        | MW-61 41'              | Soluble   | Solid  | DI Leach |            |
| 400-259268-4        | MW-62 20'              | Soluble   | Solid  | DI Leach |            |
| 400-259268-5        | MW-62 41'              | Soluble   | Solid  | DI Leach |            |
| 400-259268-6        | MW-62 47'              | Soluble   | Solid  | DI Leach |            |
| 400-259268-7        | MP-5 30'               | Soluble   | Solid  | DI Leach |            |
| 400-259268-8        | MP-5 46'               | Soluble   | Solid  | DI Leach |            |
| 400-259268-9        | MP-5 50'               | Soluble   | Solid  | DI Leach |            |
| MB 400-678024/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 400-678024/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 400-678024/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 678050

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-259268-1        | MW-61 27'              | Soluble   | Solid  | 300.0  | 678024     |
| 400-259268-2        | MW-61 38'              | Soluble   | Solid  | 300.0  | 678024     |
| 400-259268-3        | MW-61 41'              | Soluble   | Solid  | 300.0  | 678024     |
| 400-259268-4        | MW-62 20'              | Soluble   | Solid  | 300.0  | 678024     |
| 400-259268-5        | MW-62 41'              | Soluble   | Solid  | 300.0  | 678024     |
| 400-259268-6        | MW-62 47'              | Soluble   | Solid  | 300.0  | 678024     |
| 400-259268-7        | MP-5 30'               | Soluble   | Solid  | 300.0  | 678024     |
| 400-259268-8        | MP-5 46'               | Soluble   | Solid  | 300.0  | 678024     |
| 400-259268-9        | MP-5 50'               | Soluble   | Solid  | 300.0  | 678024     |
| MB 400-678024/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 678024     |
| LCS 400-678024/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 678024     |
| LCSD 400-678024/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 678024     |

## General Chemistry

## Analysis Batch: 678301

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 400-259268-1  | MW-61 27'        | Total/NA  | Solid  | Moisture |            |
| 400-259268-2  | MW-61 38'        | Total/NA  | Solid  | Moisture |            |
| 400-259268-3  | MW-61 41'        | Total/NA  | Solid  | Moisture |            |

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QC Association Summary

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

Job ID: 400-259268-1

General Chemistry (Continued)

Analysis Batch: 678301 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 400-259268-4  | MW-62 20'        | Total/NA  | Solid  | Moisture |            |
| 400-259268-5  | MW-62 41'        | Total/NA  | Solid  | Moisture |            |
| 400-259268-6  | MW-62 47'        | Total/NA  | Solid  | Moisture |            |
| 400-259268-7  | MP-5 30'         | Total/NA  | Solid  | Moisture |            |
| 400-259268-8  | MP-5 46'         | Total/NA  | Solid  | Moisture |            |
| 400-259268-9  | MP-5 50'         | Total/NA  | Solid  | Moisture |            |

## QC Sample Results

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

Job ID: 400-259268-1

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

Lab Sample ID: MB 400-678388/1-A

Matrix: Solid

Analysis Batch: 678368

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 678388

| Analyte        | MB<br>Result | MB<br>Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|-----------------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene        | 0.00067      | U               | 0.0050 | 0.00067 | mg/Kg |   | 07/19/24 09:00 | 07/19/24 11:19 | 1       |
| Ethylbenzene   | 0.00061      | U               | 0.0050 | 0.00061 | mg/Kg |   | 07/19/24 09:00 | 07/19/24 11:19 | 1       |
| Toluene        | 0.0010       | U               | 0.0050 | 0.0010  | mg/Kg |   | 07/19/24 09:00 | 07/19/24 11:19 | 1       |
| Xylenes, Total | 0.0019       | U               | 0.010  | 0.0019  | mg/Kg |   | 07/19/24 09:00 | 07/19/24 11:19 | 1       |

| Surrogate            | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 99              |                 | 67 - 130 | 07/19/24 09:00 | 07/19/24 11:19 | 1       |
| Dibromofluoromethane | 105             |                 | 77 - 127 | 07/19/24 09:00 | 07/19/24 11:19 | 1       |
| Toluene-d8 (Surr)    | 93              |                 | 76 - 127 | 07/19/24 09:00 | 07/19/24 11:19 | 1       |

Lab Sample ID: LCS 400-678388/2-A

Matrix: Solid

Analysis Batch: 678368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 678388

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.0500         | 0.0440        |                  | mg/Kg |   | 88   | 65 - 130       |
| Ethylbenzene        | 0.0500         | 0.0448        |                  | mg/Kg |   | 90   | 70 - 130       |
| Toluene             | 0.0500         | 0.0432        |                  | mg/Kg |   | 86   | 70 - 130       |
| Xylenes, Total      | 0.100          | 0.0892        |                  | mg/Kg |   | 89   | 70 - 130       |
| m-Xylene & p-Xylene | 0.0500         | 0.0447        |                  | mg/Kg |   | 89   | 70 - 130       |
| o-Xylene            | 0.0500         | 0.0445        |                  | mg/Kg |   | 89   | 70 - 130       |

| Surrogate            | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|----------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene | 96               |                  | 67 - 130 |
| Dibromofluoromethane | 100              |                  | 77 - 127 |
| Toluene-d8 (Surr)    | 97               |                  | 76 - 127 |

Lab Sample ID: 400-259268-1 MS

Matrix: Solid

Analysis Batch: 678368

Client Sample ID: MW-61 27'

Prep Type: Total/NA

Prep Batch: 678388

| Analyte             | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|
| Benzene             | 0.00077          | U                   | 0.0559         | 0.0442       |                 | mg/Kg | ⊛ | 79   | 38 - 131       |
| Ethylbenzene        | 0.00070          | U                   | 0.0559         | 0.0429       |                 | mg/Kg | ⊛ | 77   | 35 - 130       |
| Toluene             | 0.0011           | U                   | 0.0559         | 0.0429       |                 | mg/Kg | ⊛ | 77   | 42 - 130       |
| Xylenes, Total      | 0.0031           | J                   | 0.112          | 0.0916       |                 | mg/Kg | ⊛ | 79   | 35 - 130       |
| m-Xylene & p-Xylene | 0.0015           | U                   | 0.0559         | 0.0450       |                 | mg/Kg | ⊛ | 81   | 35 - 130       |
| o-Xylene            | 0.0031           | J                   | 0.0559         | 0.0466       |                 | mg/Kg | ⊛ | 78   | 35 - 130       |

| Surrogate            | MS<br>%Recovery | MS<br>Qualifier | Limits   |
|----------------------|-----------------|-----------------|----------|
| 4-Bromofluorobenzene | 98              |                 | 67 - 130 |
| Dibromofluoromethane | 100             |                 | 77 - 127 |
| Toluene-d8 (Surr)    | 96              |                 | 76 - 127 |

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## QC Sample Results

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

Job ID: 400-259268-1

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

Lab Sample ID: 400-259268-1 MSD

Matrix: Solid

Analysis Batch: 678368

Client Sample ID: MW-61 27'

Prep Type: Total/NA

Prep Batch: 678388

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.00077       | U                | 0.0555      | 0.0427     |               | mg/Kg | ☼ | 77   | 38 - 131    | 3   | 30        |
| Ethylbenzene        | 0.00070       | U                | 0.0555      | 0.0412     |               | mg/Kg | ☼ | 74   | 35 - 130    | 4   | 30        |
| Toluene             | 0.0011        | U                | 0.0555      | 0.0417     |               | mg/Kg | ☼ | 75   | 42 - 130    | 3   | 30        |
| Xylenes, Total      | 0.0031        | J                | 0.111       | 0.0869     |               | mg/Kg | ☼ | 76   | 35 - 130    | 5   | 30        |
| m-Xylene & p-Xylene | 0.0015        | U                | 0.0555      | 0.0424     |               | mg/Kg | ☼ | 76   | 35 - 130    | 6   | 30        |
| o-Xylene            | 0.0031        | J                | 0.0555      | 0.0445     |               | mg/Kg | ☼ | 75   | 35 - 130    | 4   | 30        |

| Surrogate            | MSD %Recovery | MSD Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 97            |               | 67 - 130 |
| Dibromofluoromethane | 101           |               | 77 - 127 |
| Toluene-d8 (Surr)    | 97            |               | 76 - 127 |

Lab Sample ID: MB 400-678507/2-A

Matrix: Solid

Analysis Batch: 678498

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 678507

| Analyte        | MB Result | MB Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene        | 0.00067   | U            | 0.0050 | 0.00067 | mg/Kg |   | 07/20/24 09:35 | 07/20/24 16:24 | 1       |
| Ethylbenzene   | 0.00061   | U            | 0.0050 | 0.00061 | mg/Kg |   | 07/20/24 09:35 | 07/20/24 16:24 | 1       |
| Toluene        | 0.0010    | U            | 0.0050 | 0.0010  | mg/Kg |   | 07/20/24 09:35 | 07/20/24 16:24 | 1       |
| Xylenes, Total | 0.0019    | U            | 0.010  | 0.0019  | mg/Kg |   | 07/20/24 09:35 | 07/20/24 16:24 | 1       |

| Surrogate            | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 98           |              | 67 - 130 | 07/20/24 09:35 | 07/20/24 16:24 | 1       |
| Dibromofluoromethane | 103          |              | 77 - 127 | 07/20/24 09:35 | 07/20/24 16:24 | 1       |
| Toluene-d8 (Surr)    | 95           |              | 76 - 127 | 07/20/24 09:35 | 07/20/24 16:24 | 1       |

Lab Sample ID: LCS 400-678507/1-A

Matrix: Solid

Analysis Batch: 678498

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 678507

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.0500      | 0.0460     |               | mg/Kg |   | 92   | 65 - 130    |
| Ethylbenzene        | 0.0500      | 0.0471     |               | mg/Kg |   | 94   | 70 - 130    |
| Toluene             | 0.0500      | 0.0461     |               | mg/Kg |   | 92   | 70 - 130    |
| Xylenes, Total      | 0.100       | 0.0951     |               | mg/Kg |   | 95   | 70 - 130    |
| m-Xylene & p-Xylene | 0.0500      | 0.0478     |               | mg/Kg |   | 96   | 70 - 130    |
| o-Xylene            | 0.0500      | 0.0473     |               | mg/Kg |   | 95   | 70 - 130    |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 95            |               | 67 - 130 |
| Dibromofluoromethane | 99            |               | 77 - 127 |
| Toluene-d8 (Surr)    | 95            |               | 76 - 127 |

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## QC Sample Results

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

Job ID: 400-259268-1

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

Lab Sample ID: 400-259268-3 MS

Matrix: Solid

Analysis Batch: 678498

Client Sample ID: MW-61 41'

Prep Type: Total/NA

Prep Batch: 678507

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | 0.052         | U                | 3.85        | 3.67      |              | mg/Kg | ⊛ | 95   | 38 - 131    |
| Ethylbenzene        | 0.14          | J                | 3.85        | 2.89      |              | mg/Kg | ⊛ | 71   | 35 - 130    |
| Toluene             | 0.38          |                  | 3.85        | 3.54      |              | mg/Kg | ⊛ | 82   | 42 - 130    |
| Xylenes, Total      | 2.1           |                  | 7.70        | 7.37      |              | mg/Kg | ⊛ | 69   | 35 - 130    |
| m-Xylene & p-Xylene | 1.7           |                  | 3.85        | 4.21      |              | mg/Kg | ⊛ | 65   | 35 - 130    |
| o-Xylene            | 0.35          | J                | 3.85        | 3.16      |              | mg/Kg | ⊛ | 73   | 35 - 130    |

| Surrogate            | MS %Recovery | MS Qualifier | MS Limits |
|----------------------|--------------|--------------|-----------|
| 4-Bromofluorobenzene | 97           |              | 67 - 130  |
| Dibromofluoromethane | 100          |              | 77 - 127  |
| Toluene-d8 (Surr)    | 97           |              | 76 - 127  |

Lab Sample ID: 400-259268-3 MSD

Matrix: Solid

Analysis Batch: 678498

Client Sample ID: MW-61 41'

Prep Type: Total/NA

Prep Batch: 678507

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.052         | U                | 3.85        | 3.28       |               | mg/Kg | ⊛ | 85   | 38 - 131    | 11  | 30        |
| Ethylbenzene        | 0.14          | J                | 3.85        | 3.06       |               | mg/Kg | ⊛ | 76   | 35 - 130    | 6   | 30        |
| Toluene             | 0.38          |                  | 3.85        | 3.44       |               | mg/Kg | ⊛ | 80   | 42 - 130    | 3   | 30        |
| Xylenes, Total      | 2.1           |                  | 7.70        | 8.04       |               | mg/Kg | ⊛ | 78   | 35 - 130    | 9   | 30        |
| m-Xylene & p-Xylene | 1.7           |                  | 3.85        | 4.72       |               | mg/Kg | ⊛ | 78   | 35 - 130    | 11  | 30        |
| o-Xylene            | 0.35          | J                | 3.85        | 3.32       |               | mg/Kg | ⊛ | 77   | 35 - 130    | 5   | 30        |

| Surrogate            | MSD %Recovery | MSD Qualifier | MSD Limits |
|----------------------|---------------|---------------|------------|
| 4-Bromofluorobenzene | 97            |               | 67 - 130   |
| Dibromofluoromethane | 99            |               | 77 - 127   |
| Toluene-d8 (Surr)    | 97            |               | 76 - 127   |

## Method: 8015C - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 400-678721/1-A

Matrix: Solid

Analysis Batch: 678694

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 678721

| Analyte                              | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6-C10 | 0.050     | U            | 0.10 | 0.050 | mg/Kg |   | 07/23/24 09:20 | 07/23/24 10:38 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | MB Limits | Prepared       | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|-----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 101          |              | 65 - 125  | 07/23/24 09:20 | 07/23/24 10:38 | 1       |

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## QC Sample Results

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

Job ID: 400-259268-1

## Method: 8015C - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 400-678721/2-A

Matrix: Solid

Analysis Batch: 678694

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 678721

| Analyte                                  | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--|---------------|---------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 1.00          | 0.930         |               | mg/Kg |   | 93   | 62 - 141    |
| Surrogate                                | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |
| a,a,a-Trifluorotoluene (fid)             | 102           |               | 65 - 125      |       |   |      |             |

Lab Sample ID: 400-259268-1 MS

Matrix: Solid

Analysis Batch: 678694

Client Sample ID: MW-61 27'

Prep Type: Total/NA

Prep Batch: 678721

| Analysis Date: 07/09/2                   |               |                  |             | Top Date: 07/12 |              |       |   |      |             |  |  |
|--|---------------|------------------|-------------|-----------------|--------------|-------|---|------|-------------|--|--|
| Analyte                                  | Sample Result | Sample Qualifier | Spike Added | MS Result       | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
| Gasoline Range Organics (GRO)<br>C6--C10 | 3.3           | U                | 66.2        | 69.8            |              | mg/Kg | ☼ | 105  | 10 - 150    |  |  |
| Surrogate                                | MS %Recovery  | MS Qualifier     | Limits      |                 |              |       |   |      |             |  |  |
| a,a,a-Trifluorotoluene (fid)             | 105           |                  | 65 - 125    |                 |              |       |   |      |             |  |  |

Lab Sample ID: 400-259268-1 MSD

Matrix: Solid

Analysis Batch: 678694

Client Sample ID: MW-61 27'

Prep Type: Total/NA

Prep Batch: 678721

| Analyte                                  | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limits |
|--|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|------------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 3.3           | U                | 66.2        | 71.7       |               | mg/Kg | ☼ | 108  | 10 - 150    | 3   | 32         |
| Surrogate                                | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |            |
| a,a,a-Trifluorotoluene (fid)             | 104           |                  | 65 - 125    |            |               |       |   |      |             |     |            |

## Method: 8015C - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 400-678209/1-A

Matrix: Solid

Analysis Batch: 678320

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 678209

| Analyte                         | MB        | MB        | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
|                                 | Result    | Qualifier |          |     |       |   |                |                |         |
| Diesel Range Organics [C10-C28] | 2.0       | U         | 5.0      | 2.0 | mg/Kg |   | 07/18/24 08:38 | 07/18/24 20:22 | 1       |
| Oil Range Organics (C28-C35)    | 2.16      | J         | 5.0      | 2.0 | mg/Kg |   | 07/18/24 08:38 | 07/18/24 20:22 | 1       |
| Surrogate                       | MB        | MB        | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
|                                 | %Recovery | Qualifier |          |     |       |   |                |                |         |
| <i>o</i> -Terphenyl (Surr)      | 90        |           | 27 - 150 |     |       |   | 07/18/24 08:38 | 07/18/24 20:22 | 1       |

Lab Sample ID: LCS 400-678209/2-A

Matrix: Solid

Analysis Batch: 678320

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 678209

| Analyte                            | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Diesel Range Organics<br>[C10-C28] | 268         | 266        |               | mg/Kg |   | 100  | 38 - 120    |

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## QC Sample Results

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

Job ID: 400-259268-1

## Method: 8015C - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 400-678209/2-A

Matrix: Solid

Analysis Batch: 678320

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 678209

|                    | LCS       | LCS       |          |
|--------------------|-----------|-----------|----------|
| Surrogate          | %Recovery | Qualifier | Limits   |
| o-Terphenyl (Surr) | 112       |           | 27 - 150 |

Lab Sample ID: 400-259268-1 MS

Matrix: Solid

Analysis Batch: 678320

Client Sample ID: MW-61 27'

Prep Type: Total/NA

Prep Batch: 678209

|                                    | Sample    | Sample    | Spike    | MS     | MS        |       |   |      | %Rec     |  |
|------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|
| Analyte                            | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Diesel Range Organics<br>[C10-C28] | 4.3       | J         | 297      | 265    |           | mg/Kg | ✱ | 87   | 62 - 150 |  |
| Surrogate                          | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |
| o-Terphenyl (Surr)                 | 102       |           | 27 - 150 |        |           |       |   |      |          |  |

Lab Sample ID: 400-259268-1 MSD

Matrix: Solid

Analysis Batch: 678320

Client Sample ID: MW-61 27'

Prep Type: Total/NA

Prep Batch: 678209

|                                    | Sample    | Sample    | Spike    | MSD    | MSD       |       |   |      | %Rec     | RPD   |
|------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|-------|
| Analyte                            | Result    | Qualifier | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   | Limit |
| Diesel Range Organics<br>[C10-C28] | 4.3       | J         | 300      | 249    |           | mg/Kg | ✱ | 81   | 62 - 150 | 6 30  |
| Surrogate                          | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |       |
| o-Terphenyl (Surr)                 | 92        |           | 27 - 150 |        |           |       |   |      |          |       |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-678024/1-A

Matrix: Solid

Analysis Batch: 678050

Client Sample ID: Method Blank

Prep Type: Soluble

|          | MB     | MB        |    |     |       |   |          |                |         |  |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|--|
| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |  |
| Chloride | 2.3    | U         | 20 | 2.3 | mg/Kg |   |          | 07/16/24 21:31 | 1       |  |

Lab Sample ID: LCS 400-678024/2-A

Matrix: Solid

Analysis Batch: 678050

Client Sample ID: Lab Control Sample

Prep Type: Soluble

|          |  |  | Spike | LCS    | LCS       |       |   |      | %Rec     |  |
|----------|--|--|-------|--------|-----------|-------|---|------|----------|--|
| Analyte  |  |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Chloride |  |  | 99.4  | 98.3   |           | mg/Kg |   | 99   | 80 - 120 |  |

Lab Sample ID: LCSD 400-678024/3-A

Matrix: Solid

Analysis Batch: 678050

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

|          |  |  | Spike | LCSD   | LCSD      |       |   |      | %Rec     | RPD   |
|----------|--|--|-------|--------|-----------|-------|---|------|----------|-------|
| Analyte  |  |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | Limit |
| Chloride |  |  | 99.8  | 103    |           | mg/Kg |   | 103  | 80 - 120 | 5 15  |

Eurofins Pensacola

## Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 400-259268-1

Login Number: 259268

List Source: Eurofins Pensacola

List Number: 1

Creator: Pardonner, Brett

| Question   | Answer | Comment   |
|--|--------|-----------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |           |
| The cooler's custody seal, if present, is intact.  | True   |           |
| 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   | 1.4°C IR8 |
| 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"). | N/A    |           |
| Multiphasic samples are not present.   | True   |           |
| Samples do not require splitting or compositing.   | True   |           |
| Residual Chlorine Checked.   | N/A    |           |

## Chain of Custody Record



## Environment Testing

[illegible]

## Accreditation/Certification Summary

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

Job ID: 400-259268-1

### 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                 | 06-30-25        |
| ANAB                   | ISO/IEC 17025       | L2471                 | 02-22-26        |
| Arkansas DEQ           | State               | 88-00689              | 08-01-24        |
| California             | State               | 2510                  | 06-30-25        |
| Florida                | NELAP               | E81010                | 06-30-25        |
| Georgia                | State               | E81010(FL)            | 06-30-25        |
| Illinois               | NELAP               | 200041                | 10-09-24        |
| Kansas                 | NELAP               | E-10253               | 10-31-24        |
| Kentucky (UST)         | State               | 53                    | 06-30-25        |
| Louisiana (All)        | NELAP               | 30976                 | 06-30-25        |
| Louisiana (DW)         | State               | LA017                 | 12-31-24        |
| North Carolina (WW/SW) | State               | 314                   | 12-31-24        |
| Oklahoma               | NELAP               | 9810                  | 08-31-24        |
| Pennsylvania           | NELAP               | 68-00467              | 01-31-25        |
| South Carolina         | State               | 96026                 | 06-30-25        |
| Tennessee              | State               | TN02907               | 06-30-25        |
| Texas                  | NELAP               | T104704286            | 09-30-24        |
| US Fish & Wildlife     | US Federal Programs | A22340                | 06-30-25        |
| USDA                   | US Federal Programs | P330-21-00056         | 01-09-26        |
| USDA                   | US Federal Programs | FLGNV23001            | 01-08-26        |
| Virginia               | NELAP               | 460166                | 06-14-25        |
| West Virginia DEP      | State               | 136                   | 03-31-25        |





Environment Testing

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

# ANALYTICAL REPORT

## PREPARED FOR

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

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## JOB DESCRIPTION

Blanco Field North Flare

## JOB NUMBER

400-259523-1

Eurofins Pensacola  
3355 McLemore Drive  
Pensacola FL 32514

# Eurofins Pensacola

## Job Notes

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

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

## Authorization



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(850)471-6222

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

Laboratory Job ID: 400-259523-1

# Table of Contents

|                                 |    |
|---------------------------------|----|
| Cover Page . . . . .            | 1  |
| Table of Contents . . . . .     | 3  |
| Case Narrative . . . . .        | 4  |
| Detection Summary . . . . .     | 5  |
| Method Summary . . . . .        | 7  |
| Sample Summary . . . . .        | 8  |
| Client Sample Results . . . . . | 9  |
| Definitions . . . . .           | 17 |
| Surrogate Summary . . . . .     | 19 |
| Chronicle . . . . .             | 21 |
| QC Association . . . . .        | 27 |
| QC Sample Results . . . . .     | 30 |
| Receipt Checklists . . . . .    | 34 |
| Chain of Custody . . . . .      | 35 |
| Certification Summary . . . . . | 36 |

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

**Case Narrative**

Client: Stantec Consulting Services, Inc.  
Project: Blanco Field North Flare

Job ID: 400-259523-1

**Job ID: 400-259523-1****Eurofins Pensacola****Job Narrative  
400-259523-1****Receipt**

The samples were received on 7/19/2024 10:08 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 0.5° C.

**GC/MS VOA**

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: SB-09 34' (400-259523-2), SB-09 38' (400-259523-3), SB-09 44' (400-259523-4), SB-10 39' (400-259523-7) and SB-10 42' (400-259523-8). Elevated reporting limits (RLs) are provided.

Method 8260D: The following sample was diluted due to the nature of the sample matrix: SB-10 30' (400-259523-6). Elevated reporting limits (RLs) are provided.

Method 8260D: One of three surrogate recovery for the following sample was outside the upper control limit: SB-10 25' (400-259523-5). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

**HPLC/IC**

Method 300.0: The matrix spike duplicate (MSD) recoveries for preparation batch 400-678508 and analytical batch 400-678526 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**GC VOA**

Method 8015C: The following samples were diluted because the base dilution for methanol preserved samples is 1:50: SB-09 25' (400-259523-1), SB-10 25' (400-259523-5) and SB-10 42' (400-259523-8).

Method 8015C: The following samples were diluted to bring the concentration of target analytes within the calibration range: SB-09 34' (400-259523-2), SB-09 38' (400-259523-3), SB-09 44' (400-259523-4), SB-10 30' (400-259523-6) and SB-10 39' (400-259523-7). 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.

**GC Semi VOA**

Method 8015C: The following samples were diluted to bring the concentration of target analytes within the calibration range: SB-09 34' (400-259523-2), SB-09 38' (400-259523-3) and SB-09 44' (400-259523-4). 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.

**General Chemistry**

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

**Organic Prep**

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

**VOA Prep**

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

Eurofins Pensacola

## Detection Summary

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

Job ID: 400-259523-1

## Client Sample ID: SB-09 25'

## Lab Sample ID: 400-259523-1

| Analyte                                  | Result | Qualifier | RL    | MDL    | Unit  | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|-------|--------|-------|---------|---|--------|-----------|
| Xylenes, Total                           | 0.0020 | J         | 0.011 | 0.0020 | mg/Kg | 1       | ✖ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)<br>C6--C10 | 2.7    | J         | 5.4   | 2.7    | mg/Kg | 50      | ✖ | 8015C  | Total/NA  |
| Diesel Range Organics [C10-C28]          | 12     |           | 5.3   | 2.1    | mg/Kg | 1       | ✖ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)             | 7.6    |           | 5.3   | 2.1    | mg/Kg | 1       | ✖ | 8015C  | Total/NA  |
| Chloride                                 | 65     | F1        | 21    | 2.4    | mg/Kg | 1       | ✖ | 300.0  | Soluble   |

## Client Sample ID: SB-09 34'

## Lab Sample ID: 400-259523-2

| Analyte                                  | Result | Qualifier | RL   | MDL  | Unit  | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|------|-------|---------|---|--------|-----------|
| Xylenes, Total                           | 2.9    |           | 0.68 | 0.13 | mg/Kg | 50      | ✖ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)<br>C6--C10 | 440    |           | 14   | 6.8  | mg/Kg | 100     | ✖ | 8015C  | Total/NA  |
| Diesel Range Organics [C10-C28]          | 1000   |           | 30   | 12   | mg/Kg | 5       | ✖ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)             | 28     | J         | 30   | 12   | mg/Kg | 5       | ✖ | 8015C  | Total/NA  |
| Chloride                                 | 3.3    | J         | 24   | 2.8  | mg/Kg | 1       | ✖ | 300.0  | Soluble   |

## Client Sample ID: SB-09 38'

## Lab Sample ID: 400-259523-3

| Analyte                                  | Result | Qualifier | RL  | MDL | Unit  | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|-----|-----|-------|---------|---|--------|-----------|
| Benzene                                  | 27     |           | 12  | 1.7 | mg/Kg | 2000    | ✖ | 8260D  | Total/NA  |
| Ethylbenzene                             | 40     |           | 12  | 1.5 | mg/Kg | 2000    | ✖ | 8260D  | Total/NA  |
| Toluene                                  | 290    |           | 12  | 2.5 | mg/Kg | 2000    | ✖ | 8260D  | Total/NA  |
| Xylenes, Total                           | 430    |           | 25  | 4.7 | mg/Kg | 2000    | ✖ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)<br>C6--C10 | 17000  |           | 620 | 310 | mg/Kg | 5000    | ✖ | 8015C  | Total/NA  |
| Diesel Range Organics [C10-C28]          | 10000  |           | 110 | 46  | mg/Kg | 20      | ✖ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)             | 160    |           | 110 | 46  | mg/Kg | 20      | ✖ | 8015C  | Total/NA  |
| Chloride                                 | 40     |           | 23  | 2.7 | mg/Kg | 1       | ✖ | 300.0  | Soluble   |

## Client Sample ID: SB-09 44'

## Lab Sample ID: 400-259523-4

| Analyte                                  | Result | Qualifier | RL  | MDL  | Unit  | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|-----|------|-------|---------|---|--------|-----------|
| Benzene                                  | 5.8    |           | 4.0 | 0.54 | mg/Kg | 500     | ✖ | 8260D  | Total/NA  |
| Ethylbenzene                             | 18     |           | 4.0 | 0.49 | mg/Kg | 500     | ✖ | 8260D  | Total/NA  |
| Toluene                                  | 30     |           | 4.0 | 0.81 | mg/Kg | 500     | ✖ | 8260D  | Total/NA  |
| Xylenes, Total                           | 220    |           | 8.1 | 1.5  | mg/Kg | 500     | ✖ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)<br>C6--C10 | 6900   |           | 320 | 160  | mg/Kg | 2000    | ✖ | 8015C  | Total/NA  |
| Diesel Range Organics [C10-C28]          | 1500   |           | 32  | 13   | mg/Kg | 5       | ✖ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)             | 73     |           | 32  | 13   | mg/Kg | 5       | ✖ | 8015C  | Total/NA  |
| Chloride                                 | 28     |           | 27  | 3.1  | mg/Kg | 1       | ✖ | 300.0  | Soluble   |

## Client Sample ID: SB-10 25'

## Lab Sample ID: 400-259523-5

| Analyte                                  | Result | Qualifier | RL  | MDL | Unit  | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|-----|-----|-------|---------|---|--------|-----------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 5.2    | J         | 6.2 | 3.1 | mg/Kg | 50      | ✖ | 8015C  | Total/NA  |
| Diesel Range Organics [C10-C28]          | 41     |           | 5.6 | 2.2 | mg/Kg | 1       | ✖ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)             | 8.8    |           | 5.6 | 2.2 | mg/Kg | 1       | ✖ | 8015C  | Total/NA  |
| Chloride                                 | 6.2    | J         | 22  | 2.6 | mg/Kg | 1       | ✖ | 300.0  | Soluble   |

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

## Detection Summary

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

Job ID: 400-259523-1

## Client Sample ID: SB-10 30'

## Lab Sample ID: 400-259523-6

| Analyte                                  | Result | Qualifier | RL   | MDL   | Unit  | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-------|-------|---------|---|--------|-----------|
| Ethylbenzene                             | 0.070  | J         | 0.30 | 0.037 | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Xylenes, Total                           | 0.20   | J         | 0.61 | 0.12  | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)<br>C6--C10 | 190    |           | 12   | 6.1   | mg/Kg | 100     | ✧ | 8015C  | Total/NA  |
| Diesel Range Organics [C10-C28]          | 89     |           | 5.8  | 2.3   | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)             | 15     |           | 5.8  | 2.3   | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Chloride                                 | 24     |           | 23   | 2.7   | mg/Kg | 1       | ✧ | 300.0  | Soluble   |

## Client Sample ID: SB-10 39'

## Lab Sample ID: 400-259523-7

| Analyte                                  | Result | Qualifier | RL   | MDL   | Unit  | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-------|-------|---------|---|--------|-----------|
| Benzene                                  | 2.9    |           | 0.31 | 0.042 | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Ethylbenzene                             | 1.6    |           | 0.31 | 0.038 | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Toluene                                  | 12     |           | 0.31 | 0.063 | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Xylenes, Total                           | 21     |           | 0.63 | 0.12  | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)<br>C6--C10 | 450    |           | 25   | 13    | mg/Kg | 200     | ✧ | 8015C  | Total/NA  |
| Diesel Range Organics [C10-C28]          | 180    |           | 5.7  | 2.3   | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)             | 16     |           | 5.7  | 2.3   | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Chloride                                 | 27     |           | 23   | 2.6   | mg/Kg | 1       | ✧ | 300.0  | Soluble   |

## Client Sample ID: SB-10 42'

## Lab Sample ID: 400-259523-8

| Analyte                                  | Result | Qualifier | RL   | MDL   | Unit  | Dil Fac | D | Method | Prep Type |
|--|--------|-----------|------|-------|-------|---------|---|--------|-----------|
| Benzene                                  | 0.37   |           | 0.28 | 0.038 | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Ethylbenzene                             | 0.36   |           | 0.28 | 0.034 | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Toluene                                  | 2.8    |           | 0.28 | 0.056 | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Xylenes, Total                           | 4.8    |           | 0.56 | 0.11  | mg/Kg | 50      | ✧ | 8260D  | Total/NA  |
| Gasoline Range Organics (GRO)<br>C6--C10 | 70     |           | 5.6  | 2.8   | mg/Kg | 50      | ✧ | 8015C  | Total/NA  |
| Diesel Range Organics [C10-C28]          | 210    |           | 5.2  | 2.1   | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Oil Range Organics (C28-C35)             | 15     |           | 5.2  | 2.1   | mg/Kg | 1       | ✧ | 8015C  | Total/NA  |
| Chloride                                 | 19     | J         | 22   | 2.5   | mg/Kg | 1       | ✧ | 300.0  | Soluble   |

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola



Method Summary

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

Job ID: 400-259523-1

| Method   | Method Description                  | Protocol | Laboratory |
|----------|-------------------------------------|----------|------------|
| 8260D    | Volatile Organic Compounds by GC/MS | SW846    | EET PEN    |
| 8015C    | Gasoline Range Organics (GRO) (GC)  | SW846    | EET PEN    |
| 8015C    | Diesel Range Organics (DRO) (GC)    | EPA      | EET PEN    |
| 300.0    | Anions, Ion Chromatography          | EPA      | EET PEN    |
| Moisture | Percent Moisture                    | EPA      | EET PEN    |
| 3546     | Microwave Extraction                | SW846    | EET PEN    |
| 5035     | Closed System Purge and Trap        | SW846    | EET PEN    |
| DI Leach | Deionized Water Leaching Procedure  | ASTM     | EET PEN    |

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 400-259523-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 400-259523-1  | SB-09 25'        | Solid  | 07/15/24 16:09 | 07/19/24 10:08 |
| 400-259523-2  | SB-09 34'        | Solid  | 07/15/24 16:21 | 07/19/24 10:08 |
| 400-259523-3  | SB-09 38'        | Solid  | 07/15/24 16:44 | 07/19/24 10:08 |
| 400-259523-4  | SB-09 44'        | Solid  | 07/15/24 17:06 | 07/19/24 10:08 |
| 400-259523-5  | SB-10 25'        | Solid  | 07/16/24 14:51 | 07/19/24 10:08 |
| 400-259523-6  | SB-10 30'        | Solid  | 07/16/24 15:12 | 07/19/24 10:08 |
| 400-259523-7  | SB-10 39'        | Solid  | 07/16/24 15:27 | 07/19/24 10:08 |
| 400-259523-8  | SB-10 42'        | Solid  | 07/16/24 15:52 | 07/19/24 10:08 |



## Client Sample Results

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

Job ID: 400-259523-1

Client Sample ID: SB-09 25'

Lab Sample ID: 400-259523-1

Date Collected: 07/15/24 16:09

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 93.3

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

| Analyte               | Result        | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|---------------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene               | 0.00071       | U         | 0.0053 | 0.00071 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 11:56 | 1       |
| Ethylbenzene          | 0.00065       | U         | 0.0053 | 0.00065 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 11:56 | 1       |
| Toluene               | 0.0011        | U         | 0.0053 | 0.0011  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 11:56 | 1       |
| <b>Xylenes, Total</b> | <b>0.0020</b> | <b>J</b>  | 0.011  | 0.0020  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 11:56 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 101       |           | 67 - 130 | 07/24/24 10:24 | 07/24/24 11:56 | 1       |
| Dibromofluoromethane | 119       |           | 77 - 127 | 07/24/24 10:24 | 07/24/24 11:56 | 1       |
| Toluene-d8 (Surr)    | 94        |           | 76 - 127 | 07/24/24 10:24 | 07/24/24 11:56 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                                      | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| <b>Gasoline Range Organics (GRO) C6--C10</b> | <b>2.7</b> | <b>J</b>  | 5.4 | 2.7 | mg/Kg | ☆ | 07/24/24 07:57 | 07/24/24 15:11 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 102       |           | 65 - 125 | 07/24/24 07:57 | 07/24/24 15:11 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                                | Result     | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|------------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| <b>Diesel Range Organics [C10-C28]</b> | <b>12</b>  |           | 5.3 | 2.1 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 18:28 | 1       |
| <b>Oil Range Organics (C28-C35)</b>    | <b>7.6</b> |           | 5.3 | 2.1 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 18:28 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 102       |           | 27 - 150 | 07/22/24 09:59 | 07/24/24 18:28 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte         | Result    | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------------|-----------|-----------|----|-----|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>65</b> | <b>F1</b> | 21 | 2.4 | mg/Kg | ☆ |          | 07/20/24 19:15 | 1       |

## General Chemistry

| Analyte                                | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|--|-------------|-----------|------|------|------|---|----------|----------------|---------|
| <b>Percent Solids (EPA Moisture)</b>   | <b>93.3</b> |           | 0.01 | 0.01 | %    |   |          | 07/22/24 10:38 | 1       |
| <b>Percent Moisture (EPA Moisture)</b> | <b>6.7</b>  |           | 0.01 | 0.01 | %    |   |          | 07/22/24 10:38 | 1       |

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## Client Sample Results

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

Job ID: 400-259523-1

Client Sample ID: SB-09 34'

Lab Sample ID: 400-259523-2

Date Collected: 07/15/24 16:21

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 81.7

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

| Analyte               | Result     | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------|------------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Benzene               | 0.046      | U         | 0.34 | 0.046 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:01 | 50      |
| Ethylbenzene          | 0.042      | U         | 0.34 | 0.042 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:01 | 50      |
| Toluene               | 0.068      | U         | 0.34 | 0.068 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:01 | 50      |
| <b>Xylenes, Total</b> | <b>2.9</b> |           | 0.68 | 0.13  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:01 | 50      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 116       |           | 67 - 130 | 07/24/24 10:24 | 07/24/24 18:01 | 50      |
| Dibromofluoromethane | 114       |           | 77 - 127 | 07/24/24 10:24 | 07/24/24 18:01 | 50      |
| Toluene-d8 (Surr)    | 113       |           | 76 - 127 | 07/24/24 10:24 | 07/24/24 18:01 | 50      |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                                      | Result     | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|------------|-----------|----|-----|-------|---|----------------|----------------|---------|
| <b>Gasoline Range Organics (GRO) C6--C10</b> | <b>440</b> |           | 14 | 6.8 | mg/Kg | ☆ | 07/24/24 07:57 | 07/24/24 17:24 | 100     |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 87        |           | 65 - 125 | 07/24/24 07:57 | 07/24/24 17:24 | 100     |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                                | Result      | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|-------------|-----------|----|-----|-------|---|----------------|----------------|---------|
| <b>Diesel Range Organics [C10-C28]</b> | <b>1000</b> |           | 30 | 12  | mg/Kg | ☆ | 07/22/24 09:59 | 07/31/24 13:11 | 5       |
| <b>Oil Range Organics (C28-C35)</b>    | <b>28 J</b> |           | 30 | 12  | mg/Kg | ☆ | 07/22/24 09:59 | 07/31/24 13:11 | 5       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 110       |           | 27 - 150 | 07/22/24 09:59 | 07/31/24 13:11 | 5       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte         | Result       | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------------|--------------|-----------|----|-----|-------|---|----------|----------------|---------|
| <b>Chloride</b> | <b>3.3 J</b> |           | 24 | 2.8 | mg/Kg | ☆ |          | 07/20/24 19:40 | 1       |

## General Chemistry

| Analyte                                | Result      | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|--|-------------|-----------|------|------|------|---|----------|----------------|---------|
| <b>Percent Solids (EPA Moisture)</b>   | <b>81.7</b> |           | 0.01 | 0.01 | %    |   |          | 07/22/24 10:38 | 1       |
| <b>Percent Moisture (EPA Moisture)</b> | <b>18.3</b> |           | 0.01 | 0.01 | %    |   |          | 07/22/24 10:38 | 1       |

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## Client Sample Results

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

Job ID: 400-259523-1

Client Sample ID: SB-09 38'

Lab Sample ID: 400-259523-3

Date Collected: 07/15/24 16:44

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 85.7

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

| Analyte              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene              | 27        |           | 12       | 1.7 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:55 | 2000    |
| Ethylbenzene         | 40        |           | 12       | 1.5 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:55 | 2000    |
| Toluene              | 290       |           | 12       | 2.5 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:55 | 2000    |
| Xylenes, Total       | 430       |           | 25       | 4.7 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:55 | 2000    |
| Surrogate            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene | 104       |           | 67 - 130 |     |       |   | 07/24/24 10:24 | 07/24/24 19:55 | 2000    |
| Dibromofluoromethane | 99        |           | 77 - 127 |     |       |   | 07/24/24 10:24 | 07/24/24 19:55 | 2000    |
| Toluene-d8 (Surr)    | 121       |           | 76 - 127 |     |       |   | 07/24/24 10:24 | 07/24/24 19:55 | 2000    |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 17000     |           | 620      | 310 | mg/Kg | ☆ | 07/24/24 07:57 | 07/24/24 19:35 | 5000    |
| Surrogate                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| a,a,a-Trifluorotoluene (fid)          | 89        |           | 65 - 125 |     |       |   | 07/24/24 07:57 | 07/24/24 19:35 | 5000    |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 10000     |           | 110      | 46  | mg/Kg | ☆ | 07/22/24 09:59 | 07/31/24 13:25 | 20      |
| Oil Range Organics (C28-C35)    | 160       |           | 110      | 46  | mg/Kg | ☆ | 07/22/24 09:59 | 07/31/24 13:25 | 20      |
| Surrogate                       | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| o-Terphenyl (Surr)              | 137       |           | 27 - 150 |     |       |   | 07/22/24 09:59 | 07/31/24 13:25 | 20      |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 40     |           | 23 | 2.7 | mg/Kg | ☆ |          | 07/20/24 19:49 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 85.7   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |
| Percent Moisture (EPA Moisture) | 14.3   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |

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## Client Sample Results

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

Job ID: 400-259523-1

Client Sample ID: SB-09 44'

Lab Sample ID: 400-259523-4

Date Collected: 07/15/24 17:06

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 74.2

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

| Analyte        | Result | Qualifier | RL  | MDL  | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|-----|------|-------|---|----------------|----------------|---------|
| Benzene        | 5.8    |           | 4.0 | 0.54 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:32 | 500     |
| Ethylbenzene   | 18     |           | 4.0 | 0.49 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:32 | 500     |
| Toluene        | 30     |           | 4.0 | 0.81 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:32 | 500     |
| Xylenes, Total | 220    |           | 8.1 | 1.5  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:32 | 500     |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 108       |           | 67 - 130 | 07/24/24 10:24 | 07/24/24 19:32 | 500     |
| Dibromofluoromethane | 99        |           | 77 - 127 | 07/24/24 10:24 | 07/24/24 19:32 | 500     |
| Toluene-d8 (Surr)    | 117       |           | 76 - 127 | 07/24/24 10:24 | 07/24/24 19:32 | 500     |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 6900   |           | 320 | 160 | mg/Kg | ☆ | 07/24/24 07:57 | 07/24/24 18:43 | 2000    |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 99        |           | 65 - 125 | 07/24/24 07:57 | 07/24/24 18:43 | 2000    |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 1500   |           | 32 | 13  | mg/Kg | ☆ | 07/22/24 09:59 | 07/31/24 13:39 | 5       |
| Oil Range Organics (C28-C35)    | 73     |           | 32 | 13  | mg/Kg | ☆ | 07/22/24 09:59 | 07/31/24 13:39 | 5       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 125       |           | 27 - 150 | 07/22/24 09:59 | 07/31/24 13:39 | 5       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 28     |           | 27 | 3.1 | mg/Kg | ☆ |          | 07/20/24 19:57 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 74.2   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |
| Percent Moisture (EPA Moisture) | 25.8   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |

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## Client Sample Results

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

Job ID: 400-259523-1

Client Sample ID: SB-10 25'

Lab Sample ID: 400-259523-5

Date Collected: 07/16/24 14:51

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 88.5

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

| Analyte        | Result  | Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|---------|-----------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene        | 0.00077 | U         | 0.0057 | 0.00077 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 14:58 | 1       |
| Ethylbenzene   | 0.00070 | U         | 0.0057 | 0.00070 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 14:58 | 1       |
| Toluene        | 0.0011  | U         | 0.0057 | 0.0011  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 14:58 | 1       |
| Xylenes, Total | 0.0022  | U         | 0.011  | 0.0022  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 14:58 | 1       |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 102       |           | 67 - 130 | 07/24/24 10:24 | 07/24/24 14:58 | 1       |
| Dibromofluoromethane | 128       | S1+       | 77 - 127 | 07/24/24 10:24 | 07/24/24 14:58 | 1       |
| Toluene-d8 (Surr)    | 94        |           | 76 - 127 | 07/24/24 10:24 | 07/24/24 14:58 | 1       |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 5.2    | J         | 6.2 | 3.1 | mg/Kg | ☆ | 07/24/24 07:57 | 07/24/24 15:39 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 107       |           | 65 - 125 | 07/24/24 07:57 | 07/24/24 15:39 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 41     |           | 5.6 | 2.2 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 19:24 | 1       |
| Oil Range Organics (C28-C35)    | 8.8    |           | 5.6 | 2.2 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 19:24 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 113       |           | 27 - 150 | 07/22/24 09:59 | 07/24/24 19:24 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 6.2    | J         | 22 | 2.6 | mg/Kg | ☆ |          | 07/20/24 20:06 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 88.5   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |
| Percent Moisture (EPA Moisture) | 11.5   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |

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## Client Sample Results

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

Job ID: 400-259523-1

Client Sample ID: SB-10 30'

Lab Sample ID: 400-259523-6

Date Collected: 07/16/24 15:12

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 86.3

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

| Analyte              | Result    | Qualifier | RL       | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|-------|-------|---|----------------|----------------|---------|
| Benzene              | 0.041     | U         | 0.30     | 0.041 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:23 | 50      |
| Ethylbenzene         | 0.070     | J         | 0.30     | 0.037 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:23 | 50      |
| Toluene              | 0.061     | U         | 0.30     | 0.061 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:23 | 50      |
| Xylenes, Total       | 0.20      | J         | 0.61     | 0.12  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:23 | 50      |
| Surrogate            | %Recovery | Qualifier | Limits   |       |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene | 103       |           | 67 - 130 |       |       |   | 07/24/24 10:24 | 07/24/24 18:23 | 50      |
| Dibromofluoromethane | 110       |           | 77 - 127 |       |       |   | 07/24/24 10:24 | 07/24/24 18:23 | 50      |
| Toluene-d8 (Surr)    | 107       |           | 76 - 127 |       |       |   | 07/24/24 10:24 | 07/24/24 18:23 | 50      |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 190       |           | 12       | 6.1 | mg/Kg | ☆ | 07/24/24 07:57 | 07/24/24 17:50 | 100     |
| Surrogate                             | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| a,a,a-Trifluorotoluene (fid)          | 94        |           | 65 - 125 |     |       |   | 07/24/24 07:57 | 07/24/24 17:50 | 100     |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 89        |           | 5.8      | 2.3 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 19:39 | 1       |
| Oil Range Organics (C28-C35)    | 15        |           | 5.8      | 2.3 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 19:39 | 1       |
| Surrogate                       | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| o-Terphenyl (Surr)              | 114       |           | 27 - 150 |     |       |   | 07/22/24 09:59 | 07/24/24 19:39 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 24     |           | 23 | 2.7 | mg/Kg | ☆ |          | 07/20/24 20:32 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 86.3   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |
| Percent Moisture (EPA Moisture) | 13.7   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |

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## Client Sample Results

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

Job ID: 400-259523-1

Client Sample ID: SB-10 39'

Lab Sample ID: 400-259523-7

Date Collected: 07/16/24 15:27

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 87.0

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

| Analyte        | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Benzene        | 2.9    |           | 0.31 | 0.042 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:46 | 50      |
| Ethylbenzene   | 1.6    |           | 0.31 | 0.038 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:46 | 50      |
| Toluene        | 12     |           | 0.31 | 0.063 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:46 | 50      |
| Xylenes, Total | 21     |           | 0.63 | 0.12  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 18:46 | 50      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 102       |           | 67 - 130 | 07/24/24 10:24 | 07/24/24 18:46 | 50      |
| Dibromofluoromethane | 107       |           | 77 - 127 | 07/24/24 10:24 | 07/24/24 18:46 | 50      |
| Toluene-d8 (Surr)    | 114       |           | 76 - 127 | 07/24/24 10:24 | 07/24/24 18:46 | 50      |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result | Qualifier | RL | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 450    |           | 25 | 13  | mg/Kg | ☆ | 07/24/24 07:57 | 07/24/24 18:17 | 200     |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 99        |           | 65 - 125 | 07/24/24 07:57 | 07/24/24 18:17 | 200     |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 180    |           | 5.7 | 2.3 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 20:07 | 1       |
| Oil Range Organics (C28-C35)    | 16     |           | 5.7 | 2.3 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 20:07 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 131       |           | 27 - 150 | 07/22/24 09:59 | 07/24/24 20:07 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 27     |           | 23 | 2.6 | mg/Kg | ☆ |          | 07/20/24 20:40 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 87.0   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |
| Percent Moisture (EPA Moisture) | 13.0   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |

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## Client Sample Results

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

Job ID: 400-259523-1

Client Sample ID: SB-10 42'

Lab Sample ID: 400-259523-8

Date Collected: 07/16/24 15:52

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 91.0

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

| Analyte        | Result | Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|--------|-----------|------|-------|-------|---|----------------|----------------|---------|
| Benzene        | 0.37   |           | 0.28 | 0.038 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:09 | 50      |
| Ethylbenzene   | 0.36   |           | 0.28 | 0.034 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:09 | 50      |
| Toluene        | 2.8    |           | 0.28 | 0.056 | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:09 | 50      |
| Xylenes, Total | 4.8    |           | 0.56 | 0.11  | mg/Kg | ☆ | 07/24/24 10:24 | 07/24/24 19:09 | 50      |

| Surrogate            | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 106       |           | 67 - 130 | 07/24/24 10:24 | 07/24/24 19:09 | 50      |
| Dibromofluoromethane | 118       |           | 77 - 127 | 07/24/24 10:24 | 07/24/24 19:09 | 50      |
| Toluene-d8 (Surr)    | 96        |           | 76 - 127 | 07/24/24 10:24 | 07/24/24 19:09 | 50      |

## Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

| Analyte                               | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO) C6--C10 | 70     |           | 5.6 | 2.8 | mg/Kg | ☆ | 07/24/24 07:57 | 07/24/24 16:05 | 50      |

| Surrogate                    | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|-----------|-----------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 105       |           | 65 - 125 | 07/24/24 07:57 | 07/24/24 16:05 | 50      |

## Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

| Analyte                         | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 210    |           | 5.2 | 2.1 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 20:49 | 1       |
| Oil Range Organics (C28-C35)    | 15     |           | 5.2 | 2.1 | mg/Kg | ☆ | 07/22/24 09:59 | 07/24/24 20:49 | 1       |

| Surrogate          | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|--------------------|-----------|-----------|----------|----------------|----------------|---------|
| o-Terphenyl (Surr) | 105       |           | 27 - 150 | 07/22/24 09:59 | 07/24/24 20:49 | 1       |

## Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|----|-----|-------|---|----------|----------------|---------|
| Chloride | 19     | J         | 22 | 2.5 | mg/Kg | ☆ |          | 07/20/24 20:49 | 1       |

## General Chemistry

| Analyte                         | Result | Qualifier | RL   | MDL  | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------------------|--------|-----------|------|------|------|---|----------|----------------|---------|
| Percent Solids (EPA Moisture)   | 91.0   |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |
| Percent Moisture (EPA Moisture) | 9.0    |           | 0.01 | 0.01 | %    |   |          | 07/22/24 11:41 | 1       |

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## Definitions/Glossary

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

Job ID: 400-259523-1

## 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. |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected.   |

## GC 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.   |

## GC Semi VOA

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

## HPLC/IC

| Qualifier | Qualifier Description  |
|-----------|--|
| 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.   |

## Glossary

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

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Definitions/Glossary

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

Job ID: 400-259523-1

Glossary (Continued)

| Abbreviation | These commonly used abbreviations may or may not be present in this report. |
|--------------|---|
| TNTC         | Too Numerous To Count   |

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



## Surrogate Summary

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

Job ID: 400-259523-1

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

Matrix: Solid

Prep Type: Total/NA

|                             |                    | Percent Surrogate Recovery (Acceptance Limits) |                  |                 |
|-----------------------------|--------------------|--|------------------|-----------------|
| Lab Sample ID               | Client Sample ID   | BFB<br>(67-130)                                | DBFM<br>(77-127) | TOL<br>(76-127) |
| 400-259523-1                | SB-09 25'          | 101  | 119              | 94              |
| 400-259523-1 MS             | SB-09 25'          | 102  | 123              | 94              |
| 400-259523-1 MSD            | SB-09 25'          | 99   | 124              | 92              |
| 400-259523-2                | SB-09 34'          | 116  | 114              | 113             |
| 400-259523-3                | SB-09 38'          | 104  | 99               | 121             |
| 400-259523-4                | SB-09 44'          | 108  | 99               | 117             |
| 400-259523-5                | SB-10 25'          | 102  | 128 S1+          | 94              |
| 400-259523-6                | SB-10 30'          | 103  | 110              | 107             |
| 400-259523-7                | SB-10 39'          | 102  | 107              | 114             |
| 400-259523-8                | SB-10 42'          | 106  | 118              | 96              |
| LCS 400-678885/1-A          | Lab Control Sample | 98   | 117              | 95              |
| MB 400-678885/2-A           | Method Blank       | 101  | 115              | 96              |
| <b>Surrogate Legend</b>     |                    |  |                  |                 |
| BFB = 4-Bromofluorobenzene  |                    |  |                  |                 |
| DBFM = Dibromofluoromethane |                    |  |                  |                 |
| TOL = Toluene-d8 (Surr)     |                    |  |                  |                 |

## Method: 8015C - Gasoline Range Organics (GRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                                      |                    | Percent Surrogate Recovery (Acceptance Limits) |  |  |
|--------------------------------------|--------------------|--|--|--|
| Lab Sample ID                        | Client Sample ID   | TFT-F2<br>(65-125)                             |  |  |
| 400-259523-1                         | SB-09 25'          | 102  |  |  |
| 400-259523-1 MS                      | SB-09 25'          | 102  |  |  |
| 400-259523-1 MSD                     | SB-09 25'          | 103  |  |  |
| 400-259523-2                         | SB-09 34'          | 87   |  |  |
| 400-259523-3                         | SB-09 38'          | 89   |  |  |
| 400-259523-4                         | SB-09 44'          | 99   |  |  |
| 400-259523-5                         | SB-10 25'          | 107  |  |  |
| 400-259523-6                         | SB-10 30'          | 94   |  |  |
| 400-259523-7                         | SB-10 39'          | 99   |  |  |
| 400-259523-8                         | SB-10 42'          | 105  |  |  |
| LCS 400-678831/2-A                   | Lab Control Sample | 105  |  |  |
| MB 400-678831/1-A                    | Method Blank       | 100  |  |  |
| <b>Surrogate Legend</b>              |                    |  |  |  |
| TFT-F = a,a,a-Trifluorotoluene (fid) |                    |  |  |  |

## Method: 8015C - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

|                  |                  | Percent Surrogate Recovery (Acceptance Limits) |  |  |
|------------------|------------------|--|--|--|
| Lab Sample ID    | Client Sample ID | OTPH1<br>(27-150)                              |  |  |
| 400-259523-1     | SB-09 25'        | 102  |  |  |
| 400-259523-1 MS  | SB-09 25'        | 121  |  |  |
| 400-259523-1 MSD | SB-09 25'        | 120  |  |  |
| 400-259523-2     | SB-09 34'        | 110  |  |  |
| 400-259523-3     | SB-09 38'        | 137  |  |  |

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Surrogate Summary

Client: Stantec Consulting Services, Inc.

Project/Site: Blanco Field North Flare

Job ID: 400-259523-1

Method: 8015C - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

| Percent Surrogate Recovery (Acceptance Limits) |                    |                   |
|--|--------------------|-------------------|
| Lab Sample ID                                  | Client Sample ID   | OTPH1<br>(27-150) |
| 400-259523-4                                   | SB-09 44'          | 125               |
| 400-259523-5                                   | SB-10 25'          | 113               |
| 400-259523-6                                   | SB-10 30'          | 114               |
| 400-259523-7                                   | SB-10 39'          | 131               |
| 400-259523-8                                   | SB-10 42'          | 105               |
| LCS 400-678578/2-A                             | Lab Control Sample | 131               |
| MB 400-678578/1-A                              | Method Blank       | 111               |
| Surrogate Legend                               |                    |                   |
| OTPH = o-Terphenyl (Surr)                      |                    |                   |

## Lab Chronicle

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

Job ID: 400-259523-1

Client Sample ID: SB-09 25'

Date Collected: 07/15/24 16:09

Date Received: 07/19/24 10:08

Lab Sample ID: 400-259523-1

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678603       | 07/22/24 10:38       | TE      | EET PEN |

Client Sample ID: SB-09 25'

Date Collected: 07/15/24 16:09

Date Received: 07/19/24 10:08

Lab Sample ID: 400-259523-1

Matrix: Solid

Percent Solids: 93.3

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678854       | 07/24/24 11:56       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.27 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678830       | 07/24/24 15:11       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.25 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 18:28       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.517 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 19:15       | AMM     | EET PEN |

Client Sample ID: SB-09 34'

Date Collected: 07/15/24 16:21

Date Received: 07/19/24 10:08

Lab Sample ID: 400-259523-2

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678603       | 07/22/24 10:38       | TE      | EET PEN |

Client Sample ID: SB-09 34'

Date Collected: 07/15/24 16:21

Date Received: 07/19/24 10:08

Lab Sample ID: 400-259523-2

Matrix: Solid

Percent Solids: 81.7

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.36 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 50         | 5 mL           | 5 mL         | 678854       | 07/24/24 18:01       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.36 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 100        | 5 mL           | 5 mL         | 678830       | 07/24/24 17:24       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.19 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 5          | 1 mL           | 1 mL         | 679608       | 07/31/24 13:11       | AR      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.502 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 19:40       | AMM     | EET PEN |

Client Sample ID: SB-09 38'

Date Collected: 07/15/24 16:44

Date Received: 07/19/24 10:08

Lab Sample ID: 400-259523-3

Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678628       | 07/22/24 11:41       | TE      | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259523-1

Client Sample ID: SB-09 38'

Lab Sample ID: 400-259523-3

Date Collected: 07/15/24 16:44

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 85.7

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.45 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 2000       | 5 mL           | 5 mL         | 678854       | 07/24/24 19:55       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.45 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 5000       | 5 mL           | 5 mL         | 678830       | 07/24/24 19:35       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.26 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 20         | 1 mL           | 1 mL         | 679608       | 07/31/24 13:25       | AR      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.506 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 19:49       | AMM     | EET PEN |

Client Sample ID: SB-09 44'

Lab Sample ID: 400-259523-4

Date Collected: 07/15/24 17:06

Matrix: Solid

Date Received: 07/19/24 10:08

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678628       | 07/22/24 11:41       | TE      | EET PEN |

Client Sample ID: SB-09 44'

Lab Sample ID: 400-259523-4

Date Collected: 07/15/24 17:06

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 74.2

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.31 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 500        | 5 mL           | 5 mL         | 678854       | 07/24/24 19:32       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.31 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 2000       | 5 mL           | 5 mL         | 678830       | 07/24/24 18:43       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.75 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 5          | 1 mL           | 1 mL         | 679608       | 07/31/24 13:39       | AR      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.502 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 19:57       | AMM     | EET PEN |

Client Sample ID: SB-10 25'

Lab Sample ID: 400-259523-5

Date Collected: 07/16/24 14:51

Matrix: Solid

Date Received: 07/19/24 10:08

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678628       | 07/22/24 11:41       | TE      | EET PEN |

Client Sample ID: SB-10 25'

Lab Sample ID: 400-259523-5

Date Collected: 07/16/24 14:51

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 88.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.93 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678854       | 07/24/24 14:58       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.13 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678830       | 07/24/24 15:39       | NMB     | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259523-1

Client Sample ID: SB-10 25'

Lab Sample ID: 400-259523-5

Date Collected: 07/16/24 14:51

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 88.5

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 3546         |     |            | 15.23 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 19:24       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.518 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 20:06       | AMM     | EET PEN |

Client Sample ID: SB-10 30'

Lab Sample ID: 400-259523-6

Date Collected: 07/16/24 15:12

Matrix: Solid

Date Received: 07/19/24 10:08

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678628       | 07/22/24 11:41       | TE      | EET PEN |

Client Sample ID: SB-10 30'

Lab Sample ID: 400-259523-6

Date Collected: 07/16/24 15:12

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 86.3

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.47 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 50         | 5 mL           | 5 mL         | 678854       | 07/24/24 18:23       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.47 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 100        | 5 mL           | 5 mL         | 678830       | 07/24/24 17:50       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.09 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 19:39       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.506 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 20:32       | AMM     | EET PEN |

Client Sample ID: SB-10 39'

Lab Sample ID: 400-259523-7

Date Collected: 07/16/24 15:27

Matrix: Solid

Date Received: 07/19/24 10:08

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678628       | 07/22/24 11:41       | TE      | EET PEN |

Client Sample ID: SB-10 39'

Lab Sample ID: 400-259523-7

Date Collected: 07/16/24 15:27

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 87.0

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.18 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 50         | 5 mL           | 5 mL         | 678854       | 07/24/24 18:46       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.18 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 200        | 5 mL           | 5 mL         | 678830       | 07/24/24 18:17       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.20 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 20:07       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.518 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 20:40       | AMM     | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259523-1

Client Sample ID: SB-10 42'

Lab Sample ID: 400-259523-8

Date Collected: 07/16/24 15:52

Matrix: Solid

Date Received: 07/19/24 10:08

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678628       | 07/22/24 11:41       | TE      | EET PEN |

Client Sample ID: SB-10 42'

Lab Sample ID: 400-259523-8

Date Collected: 07/16/24 15:52

Matrix: Solid

Date Received: 07/19/24 10:08

Percent Solids: 91.0

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.37 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 50         | 5 mL           | 5 mL         | 678854       | 07/24/24 19:09       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.37 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678830       | 07/24/24 16:05       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.87 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 20:49       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.506 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 20:49       | AMM     | EET PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-678508/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 2.502 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 18:49       | AMM     | EET PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-678578/1-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 3546         |     |            | 15.00 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 17:17       | MP      | EET PEN |

Client Sample ID: Method Blank

Lab Sample ID: MB 400-678831/1-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5.00 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 5 mL           | 5 mL         | 678830       | 07/24/24 09:21       | NMB     | EET PEN |

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## Lab Chronicle

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

Job ID: 400-259523-1

## Client Sample ID: Method Blank

## Lab Sample ID: MB 400-678885/2-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5.00 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678854       | 07/24/24 11:33       | BPO     | EET PEN |

## Client Sample ID: Lab Control Sample

## Lab Sample ID: LCS 400-678508/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 2.517 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 18:58       | AMM     | EET PEN |

## Client Sample ID: Lab Control Sample

## Lab Sample ID: LCS 400-678578/2-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 3546         |     |            | 15.00 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 17:45       | MP      | EET PEN |

## Client Sample ID: Lab Control Sample

## Lab Sample ID: LCS 400-678831/2-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5.00 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 5 mL           | 5 mL         | 678830       | 07/24/24 08:25       | NMB     | EET PEN |

## Client Sample ID: Lab Control Sample

## Lab Sample ID: LCS 400-678885/1-A

Date Collected: N/A

Matrix: Solid

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  | Prep       | 5035         |     |            | 5.00 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678854       | 07/24/24 10:24       | BPO     | EET PEN |

## Client Sample ID: Lab Control Sample Dup

## Lab Sample ID: LCSD 400-678508/3-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 2.511 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 19:06       | AMM     | EET PEN |

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-259523-1

Client Sample ID: SB-09 25'  
Date Collected: 07/15/24 16:09  
Date Received: 07/19/24 10:08

Lab Sample ID: 400-259523-1 MS  
Matrix: Solid  
Percent Solids: 93.3

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.06 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678854       | 07/24/24 13:50       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.27 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678830       | 07/24/24 16:32       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.23 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 17:59       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.508 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 19:23       | AMM     | EET PEN |

Client Sample ID: SB-09 25'  
Date Collected: 07/15/24 16:09  
Date Received: 07/19/24 10:08

Lab Sample ID: 400-259523-1 MSD  
Matrix: Solid  
Percent Solids: 93.3

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.07 g         | 5.00 g       | 678885       | 07/24/24 10:24       | BPO     | EET PEN |
| Total/NA  | Analysis   | 8260D        |     | 1          | 5 mL           | 5 mL         | 678854       | 07/24/24 14:13       | BPO     | EET PEN |
| Total/NA  | Prep       | 5035         |     |            | 5.27 g         | 5.00 g       | 678831       | 07/24/24 07:57       | NMB     | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 50         | 5 mL           | 5 mL         | 678830       | 07/24/24 16:58       | NMB     | EET PEN |
| Total/NA  | Prep       | 3546         |     |            | 15.60 g        | 1 mL         | 678578       | 07/22/24 09:59       | YC      | EET PEN |
| Total/NA  | Analysis   | 8015C        |     | 1          | 1 mL           | 1 mL         | 678926       | 07/24/24 18:14       | MP      | EET PEN |
| Soluble   | Leach      | DI Leach     |     |            | 2.503 g        | 50 mL        | 678508       | 07/20/24 12:10       | AMM     | EET PEN |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 678526       | 07/20/24 19:32       | AMM     | EET PEN |

Client Sample ID: SB-09 34'  
Date Collected: 07/15/24 16:21  
Date Received: 07/19/24 10:08

Lab Sample ID: 400-259523-2 DU  
Matrix: Solid

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | Moisture     |     | 1          |                |              | 678603       | 07/22/24 10:38       | TE      | 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

Job ID: 400-259523-1

## GC/MS VOA

## Analysis Batch: 678854

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259523-1       | SB-09 25'          | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-2       | SB-09 34'          | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-3       | SB-09 38'          | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-4       | SB-09 44'          | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-5       | SB-10 25'          | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-6       | SB-10 30'          | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-7       | SB-10 39'          | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-8       | SB-10 42'          | Total/NA  | Solid  | 8260D  | 678885     |
| MB 400-678885/2-A  | Method Blank       | Total/NA  | Solid  | 8260D  | 678885     |
| LCS 400-678885/1-A | Lab Control Sample | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-1 MS    | SB-09 25'          | Total/NA  | Solid  | 8260D  | 678885     |
| 400-259523-1 MSD   | SB-09 25'          | Total/NA  | Solid  | 8260D  | 678885     |

## Prep Batch: 678885

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259523-1       | SB-09 25'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-2       | SB-09 34'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-3       | SB-09 38'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-4       | SB-09 44'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-5       | SB-10 25'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-6       | SB-10 30'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-7       | SB-10 39'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-8       | SB-10 42'          | Total/NA  | Solid  | 5035   |            |
| MB 400-678885/2-A  | Method Blank       | Total/NA  | Solid  | 5035   |            |
| LCS 400-678885/1-A | Lab Control Sample | Total/NA  | Solid  | 5035   |            |
| 400-259523-1 MS    | SB-09 25'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-1 MSD   | SB-09 25'          | Total/NA  | Solid  | 5035   |            |

## GC VOA

## Analysis Batch: 678830

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259523-1       | SB-09 25'          | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-2       | SB-09 34'          | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-3       | SB-09 38'          | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-4       | SB-09 44'          | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-5       | SB-10 25'          | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-6       | SB-10 30'          | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-7       | SB-10 39'          | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-8       | SB-10 42'          | Total/NA  | Solid  | 8015C  | 678831     |
| MB 400-678831/1-A  | Method Blank       | Total/NA  | Solid  | 8015C  | 678831     |
| LCS 400-678831/2-A | Lab Control Sample | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-1 MS    | SB-09 25'          | Total/NA  | Solid  | 8015C  | 678831     |
| 400-259523-1 MSD   | SB-09 25'          | Total/NA  | Solid  | 8015C  | 678831     |

## Prep Batch: 678831

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 400-259523-1  | SB-09 25'        | Total/NA  | Solid  | 5035   |            |
| 400-259523-2  | SB-09 34'        | Total/NA  | Solid  | 5035   |            |
| 400-259523-3  | SB-09 38'        | Total/NA  | Solid  | 5035   |            |
| 400-259523-4  | SB-09 44'        | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

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

Job ID: 400-259523-1

## GC VOA (Continued)

## Prep Batch: 678831 (Continued)

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259523-5       | SB-10 25'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-6       | SB-10 30'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-7       | SB-10 39'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-8       | SB-10 42'          | Total/NA  | Solid  | 5035   |            |
| MB 400-678831/1-A  | Method Blank       | Total/NA  | Solid  | 5035   |            |
| LCS 400-678831/2-A | Lab Control Sample | Total/NA  | Solid  | 5035   |            |
| 400-259523-1 MS    | SB-09 25'          | Total/NA  | Solid  | 5035   |            |
| 400-259523-1 MSD   | SB-09 25'          | Total/NA  | Solid  | 5035   |            |

## GC Semi VOA

## Prep Batch: 678578

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259523-1       | SB-09 25'          | Total/NA  | Solid  | 3546   |            |
| 400-259523-2       | SB-09 34'          | Total/NA  | Solid  | 3546   |            |
| 400-259523-3       | SB-09 38'          | Total/NA  | Solid  | 3546   |            |
| 400-259523-4       | SB-09 44'          | Total/NA  | Solid  | 3546   |            |
| 400-259523-5       | SB-10 25'          | Total/NA  | Solid  | 3546   |            |
| 400-259523-6       | SB-10 30'          | Total/NA  | Solid  | 3546   |            |
| 400-259523-7       | SB-10 39'          | Total/NA  | Solid  | 3546   |            |
| 400-259523-8       | SB-10 42'          | Total/NA  | Solid  | 3546   |            |
| MB 400-678578/1-A  | Method Blank       | Total/NA  | Solid  | 3546   |            |
| LCS 400-678578/2-A | Lab Control Sample | Total/NA  | Solid  | 3546   |            |
| 400-259523-1 MS    | SB-09 25'          | Total/NA  | Solid  | 3546   |            |
| 400-259523-1 MSD   | SB-09 25'          | Total/NA  | Solid  | 3546   |            |

## Analysis Batch: 678926

| Lab Sample ID      | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|--------------------|--------------------|-----------|--------|--------|------------|
| 400-259523-1       | SB-09 25'          | Total/NA  | Solid  | 8015C  | 678578     |
| 400-259523-5       | SB-10 25'          | Total/NA  | Solid  | 8015C  | 678578     |
| 400-259523-6       | SB-10 30'          | Total/NA  | Solid  | 8015C  | 678578     |
| 400-259523-7       | SB-10 39'          | Total/NA  | Solid  | 8015C  | 678578     |
| 400-259523-8       | SB-10 42'          | Total/NA  | Solid  | 8015C  | 678578     |
| MB 400-678578/1-A  | Method Blank       | Total/NA  | Solid  | 8015C  | 678578     |
| LCS 400-678578/2-A | Lab Control Sample | Total/NA  | Solid  | 8015C  | 678578     |
| 400-259523-1 MS    | SB-09 25'          | Total/NA  | Solid  | 8015C  | 678578     |
| 400-259523-1 MSD   | SB-09 25'          | Total/NA  | Solid  | 8015C  | 678578     |

## Analysis Batch: 679608

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 400-259523-2  | SB-09 34'        | Total/NA  | Solid  | 8015C  | 678578     |
| 400-259523-3  | SB-09 38'        | Total/NA  | Solid  | 8015C  | 678578     |
| 400-259523-4  | SB-09 44'        | Total/NA  | Solid  | 8015C  | 678578     |

## HPLC/IC

## Leach Batch: 678508

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 400-259523-1  | SB-09 25'        | Soluble   | Solid  | DI Leach |            |
| 400-259523-2  | SB-09 34'        | Soluble   | Solid  | DI Leach |            |
| 400-259523-3  | SB-09 38'        | Soluble   | Solid  | DI Leach |            |
| 400-259523-4  | SB-09 44'        | Soluble   | Solid  | DI Leach |            |

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## QC Association Summary

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

Job ID: 400-259523-1

## HPLC/IC (Continued)

## Leach Batch: 678508 (Continued)

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 400-259523-5        | SB-10 25'              | Soluble   | Solid  | DI Leach |            |
| 400-259523-6        | SB-10 30'              | Soluble   | Solid  | DI Leach |            |
| 400-259523-7        | SB-10 39'              | Soluble   | Solid  | DI Leach |            |
| 400-259523-8        | SB-10 42'              | Soluble   | Solid  | DI Leach |            |
| MB 400-678508/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 400-678508/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 400-678508/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 400-259523-1 MS     | SB-09 25'              | Soluble   | Solid  | DI Leach |            |
| 400-259523-1 MSD    | SB-09 25'              | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 678526

| Lab Sample ID       | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 400-259523-1        | SB-09 25'              | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-2        | SB-09 34'              | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-3        | SB-09 38'              | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-4        | SB-09 44'              | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-5        | SB-10 25'              | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-6        | SB-10 30'              | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-7        | SB-10 39'              | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-8        | SB-10 42'              | Soluble   | Solid  | 300.0  | 678508     |
| MB 400-678508/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 678508     |
| LCS 400-678508/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 678508     |
| LCSD 400-678508/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-1 MS     | SB-09 25'              | Soluble   | Solid  | 300.0  | 678508     |
| 400-259523-1 MSD    | SB-09 25'              | Soluble   | Solid  | 300.0  | 678508     |

## General Chemistry

## Analysis Batch: 678603

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 400-259523-1    | SB-09 25'        | Total/NA  | Solid  | Moisture |            |
| 400-259523-2    | SB-09 34'        | Total/NA  | Solid  | Moisture |            |
| 400-259523-2 DU | SB-09 34'        | Total/NA  | Solid  | Moisture |            |

## Analysis Batch: 678628

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 400-259523-3  | SB-09 38'        | Total/NA  | Solid  | Moisture |            |
| 400-259523-4  | SB-09 44'        | Total/NA  | Solid  | Moisture |            |
| 400-259523-5  | SB-10 25'        | Total/NA  | Solid  | Moisture |            |
| 400-259523-6  | SB-10 30'        | Total/NA  | Solid  | Moisture |            |
| 400-259523-7  | SB-10 39'        | Total/NA  | Solid  | Moisture |            |
| 400-259523-8  | SB-10 42'        | Total/NA  | Solid  | Moisture |            |

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## QC Sample Results

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

Job ID: 400-259523-1

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

Lab Sample ID: MB 400-678885/2-A

Matrix: Solid

Analysis Batch: 678854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 678885

| Analyte        | MB Result | MB Qualifier | RL     | MDL     | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|--------|---------|-------|---|----------------|----------------|---------|
| Benzene        | 0.00067   | U            | 0.0050 | 0.00067 | mg/Kg |   | 07/24/24 10:24 | 07/24/24 11:33 | 1       |
| Ethylbenzene   | 0.00061   | U            | 0.0050 | 0.00061 | mg/Kg |   | 07/24/24 10:24 | 07/24/24 11:33 | 1       |
| Toluene        | 0.0010    | U            | 0.0050 | 0.0010  | mg/Kg |   | 07/24/24 10:24 | 07/24/24 11:33 | 1       |
| Xylenes, Total | 0.0019    | U            | 0.010  | 0.0019  | mg/Kg |   | 07/24/24 10:24 | 07/24/24 11:33 | 1       |

| Surrogate            | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene | 101          |              | 67 - 130 | 07/24/24 10:24 | 07/24/24 11:33 | 1       |
| Dibromofluoromethane | 115          |              | 77 - 127 | 07/24/24 10:24 | 07/24/24 11:33 | 1       |
| Toluene-d8 (Surr)    | 96           |              | 76 - 127 | 07/24/24 10:24 | 07/24/24 11:33 | 1       |

Lab Sample ID: LCS 400-678885/1-A

Matrix: Solid

Analysis Batch: 678854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 678885

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.0500      | 0.0464     |               | mg/Kg |   | 93   | 65 - 130    |
| Ethylbenzene        | 0.0500      | 0.0479     |               | mg/Kg |   | 96   | 70 - 130    |
| Toluene             | 0.0500      | 0.0436     |               | mg/Kg |   | 87   | 70 - 130    |
| Xylenes, Total      | 0.100       | 0.0957     |               | mg/Kg |   | 96   | 70 - 130    |
| m-Xylene & p-Xylene | 0.0500      | 0.0469     |               | mg/Kg |   | 94   | 70 - 130    |
| o-Xylene            | 0.0500      | 0.0489     |               | mg/Kg |   | 98   | 70 - 130    |

| Surrogate            | LCS %Recovery | LCS Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 98            |               | 67 - 130 |
| Dibromofluoromethane | 117           |               | 77 - 127 |
| Toluene-d8 (Surr)    | 95            |               | 76 - 127 |

Lab Sample ID: 400-259523-1 MS

Matrix: Solid

Analysis Batch: 678854

Client Sample ID: SB-09 25'

Prep Type: Total/NA

Prep Batch: 678885

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | 0.00071       | U                | 0.0530      | 0.0357    |              | mg/Kg | ⊛ | 67   | 38 - 131    |
| Ethylbenzene        | 0.00065       | U                | 0.0530      | 0.0337    |              | mg/Kg | ⊛ | 64   | 35 - 130    |
| Toluene             | 0.0011        | U                | 0.0530      | 0.0318    |              | mg/Kg | ⊛ | 60   | 42 - 130    |
| Xylenes, Total      | 0.0020        | J                | 0.106       | 0.0681    |              | mg/Kg | ⊛ | 64   | 35 - 130    |
| m-Xylene & p-Xylene | 0.0014        | U                | 0.0530      | 0.0326    |              | mg/Kg | ⊛ | 62   | 35 - 130    |
| o-Xylene            | 0.0015        | J                | 0.0530      | 0.0355    |              | mg/Kg | ⊛ | 64   | 35 - 130    |

| Surrogate            | MS %Recovery | MS Qualifier | Limits   |
|----------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene | 102          |              | 67 - 130 |
| Dibromofluoromethane | 123          |              | 77 - 127 |
| Toluene-d8 (Surr)    | 94           |              | 76 - 127 |

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## QC Sample Results

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

Job ID: 400-259523-1

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

Lab Sample ID: 400-259523-1 MSD

Matrix: Solid

Analysis Batch: 678854

Client Sample ID: SB-09 25'

Prep Type: Total/NA

Prep Batch: 678885

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.00071       | U                | 0.0529      | 0.0354     |               | mg/Kg | ✱ | 67   | 38 - 131    | 1   | 30        |
| Ethylbenzene        | 0.00065       | U                | 0.0529      | 0.0339     |               | mg/Kg | ✱ | 64   | 35 - 130    | 0   | 30        |
| Toluene             | 0.0011        | U                | 0.0529      | 0.0314     |               | mg/Kg | ✱ | 59   | 42 - 130    | 1   | 30        |
| Xylenes, Total      | 0.0020        | J                | 0.106       | 0.0698     |               | mg/Kg | ✱ | 66   | 35 - 130    | 2   | 30        |
| m-Xylene & p-Xylene | 0.0014        | U                | 0.0529      | 0.0335     |               | mg/Kg | ✱ | 63   | 35 - 130    | 3   | 30        |
| o-Xylene            | 0.0015        | J                | 0.0529      | 0.0364     |               | mg/Kg | ✱ | 66   | 35 - 130    | 2   | 30        |

| Surrogate            | MSD %Recovery | MSD Qualifier | Limits   |
|----------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene | 99            |               | 67 - 130 |
| Dibromofluoromethane | 124           |               | 77 - 127 |
| Toluene-d8 (Surr)    | 92            |               | 76 - 127 |

## Method: 8015C - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 400-678831/1-A

Matrix: Solid

Analysis Batch: 678830

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 678831

| Analyte                                  | MB Result | MB Qualifier | RL   | MDL   | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--|-----------|--------------|------|-------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 0.050     | U            | 0.10 | 0.050 | mg/Kg |   | 07/24/24 07:57 | 07/24/24 09:21 | 1       |

| Surrogate                    | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|------------------------------|--------------|--------------|----------|----------------|----------------|---------|
| a,a,a-Trifluorotoluene (fid) | 100          |              | 65 - 125 | 07/24/24 07:57 | 07/24/24 09:21 | 1       |

Lab Sample ID: LCS 400-678831/2-A

Matrix: Solid

Analysis Batch: 678830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 678831

| Analyte                                  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 1.00        | 0.924      |               | mg/Kg |   | 92   | 62 - 141    |

| Surrogate                    | LCS %Recovery | LCS Qualifier | Limits   |
|------------------------------|---------------|---------------|----------|
| a,a,a-Trifluorotoluene (fid) | 105           |               | 65 - 125 |

Lab Sample ID: 400-259523-1 MS

Matrix: Solid

Analysis Batch: 678830

Client Sample ID: SB-09 25'

Prep Type: Total/NA

Prep Batch: 678831

| Analyte                                  | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)<br>C6--C10 | 2.7           | J                | 54.5        | 57.7      |              | mg/Kg | ✱ | 106  | 10 - 150    |

| Surrogate                    | MS %Recovery | MS Qualifier | Limits   |
|------------------------------|--------------|--------------|----------|
| a,a,a-Trifluorotoluene (fid) | 102          |              | 65 - 125 |

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## QC Sample Results

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

Job ID: 400-259523-1

## Method: 8015C - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 400-259523-1 MSD

Matrix: Solid

Analysis Batch: 678830

Client Sample ID: SB-09 25'

Prep Type: Total/NA

Prep Batch: 678831

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO) C6-C10 | 2.7           | J                | 54.5        | 67.5       |               | mg/Kg | ☆ | 124  | 10 - 150    | 16  | 32        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| a,a,a-Trifluorotoluene (fid)         | 103           |                  | 65 - 125    |            |               |       |   |      |             |     |           |

## Method: 8015C - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 400-678578/1-A

Matrix: Solid

Analysis Batch: 678926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 678578

| Analyte                         | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Diesel Range Organics [C10-C28] | 2.0          | U            | 5.0      | 2.0 | mg/Kg |   | 07/22/24 09:59 | 07/24/24 17:17 | 1       |
| Oil Range Organics (C28-C35)    | 2.0          | U            | 5.0      | 2.0 | mg/Kg |   | 07/22/24 09:59 | 07/24/24 17:17 | 1       |
| Surrogate                       | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| o-Terphenyl (Surr)              | 111          |              | 27 - 150 |     |       |   | 07/22/24 09:59 | 07/24/24 17:17 | 1       |

Lab Sample ID: LCS 400-678578/2-A

Matrix: Solid

Analysis Batch: 678926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 678578

| Analyte                         | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|---------------------------------|---------------|---------------|---------------|-------|---|------|-------------|--|--|
| Diesel Range Organics [C10-C28] | 268           | 302           |               | mg/Kg |   | 113  | 38 - 120    |  |  |
| Surrogate                       | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |  |  |
| o-Terphenyl (Surr)              | 131           |               | 27 - 150      |       |   |      |             |  |  |

Lab Sample ID: 400-259523-1 MS

Matrix: Solid

Analysis Batch: 678926

Client Sample ID: SB-09 25'

Prep Type: Total/NA

Prep Batch: 678578

| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|---------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|--|--|
| Diesel Range Organics [C10-C28] | 12            |                  | 283         | 303       |              | mg/Kg | ☆ | 103  | 62 - 150    |  |  |
| Surrogate                       | MS %Recovery  | MS Qualifier     | Limits      |           |              |       |   |      |             |  |  |
| o-Terphenyl (Surr)              | 121           |                  | 27 - 150    |           |              |       |   |      |             |  |  |

Lab Sample ID: 400-259523-1 MSD

Matrix: Solid

Analysis Batch: 678926

Client Sample ID: SB-09 25'

Prep Type: Total/NA

Prep Batch: 678578

| Analyte                         | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Diesel Range Organics [C10-C28] | 12            |                  | 276         | 289        |               | mg/Kg | ☆ | 101  | 62 - 150    | 5   | 30        |

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## QC Sample Results

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

Job ID: 400-259523-1

## Method: 8015C - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 400-259523-1 MSD

Matrix: Solid

Analysis Batch: 678926

Client Sample ID: SB-09 25'

Prep Type: Total/NA

Prep Batch: 678578

|                            | MSD       | MSD       |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| <i>o</i> -Terphenyl (Surr) | 120       |           | 27 - 150 |

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-678508/1-A

Matrix: Solid

Analysis Batch: 678526

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB     | MB        |  | RL | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|--|----|-----|-------|---|----------|----------------|---------|
|          | Result | Qualifier |  |    |     |       |   |          |                |         |
| Chloride | 2.3    | U         |  | 20 | 2.3 | mg/Kg |   |          | 07/20/24 18:49 | 1       |

Lab Sample ID: LCS 400-678508/2-A

Matrix: Solid

Analysis Batch: 678526

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  |  | Spike | LCS    | LCS       |       |   |      | %Rec     |  |
|----------|--|-------|--------|-----------|-------|---|------|----------|--|
|          |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |
| Chloride |  | 99.3  | 103    |           | mg/Kg |   | 104  | 80 - 120 |  |

Lab Sample ID: LCSD 400-678508/3-A

Matrix: Solid

Analysis Batch: 678526

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  |  | Spike | LCSD   | LCSD      |       |   |      | %Rec     |     | RPD   |
|----------|--|-------|--------|-----------|-------|---|------|----------|-----|-------|
|          |  | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD | Limit |
| Chloride |  | 99.6  | 102    |           | mg/Kg |   | 103  | 80 - 120 | 1   | 15    |

Lab Sample ID: 400-259523-1 MS

Matrix: Solid

Analysis Batch: 678526

Client Sample ID: SB-09 25'

Prep Type: Soluble

| Analyte  | Sample | Sample    | Spike | MS     | MS        |       |   | %Rec |          |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|
|          | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |
| Chloride | 65     | F1        | 107   | 164    |           | mg/Kg | ✧ | 92   | 80 - 120 |

Lab Sample ID: 400-259523-1 MSD

Matrix: Solid

Analysis Batch: 678526

Client Sample ID: SB-09 25'

Prep Type: Soluble

| Analyte  | Sample | Sample    | Spike | MSD    | MSD       |       |   | %Rec |          | RPD |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|
|          | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   | RPD |
| Chloride | 65     | F1        | 107   | 149    | F1        | mg/Kg | ✧ | 78   | 80 - 120 | 10  |

## Method: Moisture - Percent Moisture

Lab Sample ID: 400-259523-2 DU

Matrix: Solid

Analysis Batch: 678603

Client Sample ID: SB-09 34'

Prep Type: Total/NA

| Analyte          | Sample | Sample    |  | DU     | DU        |      |   |  |     | RPD   |
|------------------|--------|-----------|--|--------|-----------|------|---|--|-----|-------|
|                  | Result | Qualifier |  | Result | Qualifier | Unit | D |  | RPD | Limit |
| Percent Solids   | 81.7   |           |  | 82.0   |           | %    |   |  | 0.4 | 10    |
| Percent Moisture | 18.3   |           |  | 18.0   |           | %    |   |  | 2   |       |

Eurofins Pensacola

## Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 400-259523-1

Login Number: 259523

List Source: Eurofins Pensacola

List Number: 1

Creator: Pardonner, Brett

| Question   | Answer | Comment    |
|--|--------|------------|
| Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.      | N/A    |            |
| The cooler's custody seal, if present, is intact.  | True   |            |
| 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   | 0.5°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"). | N/A    |            |
| Multiphasic samples are not present.   | True   |            |
| Samples do not require splitting or compositing.   | True   |            |
| Residual Chlorine Checked.   | N/A    |            |



**Accreditation/Certification Summary**

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

Job ID: 400-259523-1

**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                 | 06-30-25        |
| ANAB                   | ISO/IEC 17025       | L2471                 | 02-22-26        |
| Arkansas DEQ           | State               | 88-00689              | 08-01-24        |
| California             | State               | 2510                  | 06-30-25        |
| Florida                | NELAP               | E81010                | 06-30-25        |
| Georgia                | State               | E81010(FL)            | 06-30-25        |
| Illinois               | NELAP               | 200041                | 10-09-24        |
| Kansas                 | NELAP               | E-10253               | 10-31-24        |
| Kentucky (UST)         | State               | 53                    | 06-30-25        |
| Louisiana (All)        | NELAP               | 30976                 | 06-30-25        |
| Louisiana (DW)         | State               | LA017                 | 12-31-24        |
| North Carolina (WW/SW) | State               | 314                   | 12-31-24        |
| Oklahoma               | NELAP               | 9810                  | 08-31-24        |
| Pennsylvania           | NELAP               | 68-00467              | 01-31-25        |
| South Carolina         | State               | 96026                 | 06-30-25        |
| Tennessee              | State               | TN02907               | 06-30-25        |
| Texas                  | NELAP               | T104704286            | 09-30-24        |
| US Fish & Wildlife     | US Federal Programs | A22340                | 06-30-25        |
| USDA                   | US Federal Programs | P330-21-00056         | 01-09-26        |
| USDA                   | US Federal Programs | FLGNV23001            | 01-08-26        |
| Virginia               | NELAP               | 460166                | 06-14-25        |
| West Virginia DEP      | State               | 136                   | 03-31-25        |



# APPENDIX I

Summary of SVE Step Testing Observations

Appendix I

Summary of Soil Vapor Extraction Step Testing Observations

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

| Location ID | Date/Time     | Dilution Valve (% Open) | Truck Vac. (inHg) | Vac. Observation Well (inHg/[inH <sub>2</sub> O]) | Truck Flowrate (SCFM) | TPH (PPMV) |
|-------------|---------------|-------------------------|-------------------|---|-----------------------|------------|
| MW-58       | 8/21/24 12:00 | 100                     | 4                 | 3.25  | 123                   | 790        |
|             | 8/21/24 13:00 | 100                     | 4                 | 3.5   | 125                   | 1092       |
|             | 8/21/24 13:02 | 50                      | 8                 | 7.5   | 101                   | 2150       |
|             | 8/21/24 13:58 | 50                      | 8                 | 7.5   | 101                   | 2650       |
|             | 8/21/24 14:00 | 25                      | 17                | 16.5  | 42.4                  | 7330       |
|             | 8/21/24 15:00 | 25                      | 17                | 16.5  | 55                    | 12250      |
|             | 8/21/24 15:05 | 10                      | 19                | 18.5  | 45                    | 16480      |
|             | 8/21/24 16:00 | 10                      | 19                | 18.5  | 45                    | 20070      |
| MW-32       | 8/22/24 9:00  | 100                     | 5                 | [55.1]  | 123                   | 165        |
|             | 8/22/24 10:00 | 100                     | 5                 | [55.1]  | 125                   | 20         |
|             | 8/22/24 10:03 | 50                      | 11                | [147.2]   | 92                    | 125        |
|             | 8/22/24 11:00 | 50                      | 11                | [145.1]   | 78                    | 71         |
|             | 8/22/24 11:05 | 25                      | 15                | [193.3]   | 52                    | 405        |
|             | 8/22/24 12:00 | 25                      | 15                | [190.5]   | 52                    | 153        |
|             | 8/22/24 12:03 | 10                      | 19                | 18  | 28                    | 723        |
|             | 8/22/24 13:00 | 10                      | 19                | 17.5  | 28                    | 385        |
| MP-1        | 8/22/24 13:30 | 100                     | 5                 | [54.9]  | 123                   | 122        |
|             | 8/22/24 14:30 | 100                     | 5                 | [55.7]  | 123                   | 31         |
|             | 8/22/24 14:33 | 50                      | 8                 | [110.5]   | 100                   | 71         |
|             | 8/22/24 15:30 | 50                      | 8                 | [110.7]   | 100                   | 52         |
|             | 8/22/24 15:33 | 25                      | 15                | [209]   | 50                    | 1200       |
|             | 8/22/24 16:29 | 25                      | 15                | 16  | 47                    | 125        |
|             | 8/22/24 16:33 | 10                      | 20                | 21  | 4                     | 4800       |
|             | 8/22/24 17:30 | 10                      | 20                | 21  | 4                     | 531        |
| MW-61       | 8/23/24 8:32  | 100                     | 4                 | [56.7]  | 123                   | 263        |
|             | 8/23/24 9:32  | 100                     | 5                 | [56.7]  | 123                   | 351        |
|             | 8/23/24 9:34  | 50                      | 10                | [133.6]   | 85                    | 990        |
|             | 8/23/24 10:30 | 50                      | 10                | [133.7]   | 87                    | 1014       |
|             | 8/23/24 10:33 | 25                      | 17                | [213]   | 37.5                  | 2110       |
|             | 8/23/24 11:30 | 25                      | 17                | 17.5  | 37.5                  | 2250       |
|             | 8/23/24 11:32 | 10                      | 21                | 22  | 11.2                  | 4220       |
|             | 8/23/24 12:30 | 10                      | 21                | 22  | 11.2                  | 7380       |
| MW-47       | 8/23/24 13:06 | 100                     | 5                 | [50.2]  | 123                   | 495        |
|             | 8/23/24 14:00 | 100                     | 5                 | [51.0]  | 123                   | 15         |
|             | 8/23/24 14:02 | 50                      | 11                | [128.2]   | 84.4                  | 85         |
|             | 8/23/24 15:00 | 50                      | 11                | [126]   | 84.4                  | 115        |
|             | 8/23/24 15:03 | 25                      | 15                | [177.5]   | 52.9                  | 100        |
|             | 8/23/24 16:02 | 25                      | 15                | [173.7]   | 52.9                  | 10         |
|             | 8/23/24 16:10 | 10                      | 19                | [203.9]   | 31                    | 80         |
|             | 8/23/24 17:06 | 10                      | 19                | [202.4]   | 35                    | 27         |

Approximate Distance Between Extraction and Observation Locations (Feet)

|       | MW-58 | MW-32 | MP-1 | MW-61 | MW-47 |
|-------|-------|-------|------|-------|-------|
| MW-32 | 555   | 0     | 20   | 116   | 152   |
| MW-45 | 120   | 615   | 611  | 558   | 463   |
| MW-47 | 407   | 152   | 149  | 130   | 0     |
| MW-54 | 628   | 85    | 77   | 202   | 220   |
| MW-59 | 98    | 565   | 569  | 476   | 426   |
| MW-61 | 481   | 116   | 130  | 0     | 130   |
| MW-62 | 476   | 141   | 125  | 191   | 100   |
| MP-1  | 554   | 20    | 0    | 130   | 149   |
| MP-4  | 53    | 544   | 540  | 480   | 392   |
| MP-5  | 573   | 23    | 19   | 140   | 167   |
| MP-6  | 455   | 101   | 99   | 101   | 50    |
| TW-2  | 551   | 10    | 24   | 100   | 149   |
| TW-4  | 139   | 625   | 621  | 570   | 474   |

**Notes:**  
TPH = Total petroleum hydrocarbons concentration measured by Horiba instrument.  
SCFM = Standard cubic feet per minute as reported by CalClean.  
PPMV = Parts per million by volume.  
Vac. = Vacuum.

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 446211

CONDITIONS

|   |  |
|---|--|
| Operator:<br>El Paso Natural Gas Company, L.L.C<br>1001 Louisiana Street<br>Houston, TX 77002 | OGRID:<br>7046   |
|   | Action Number:<br>446211   |
|   | Action Type:<br>[UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By       | Condition   | Condition Date |
|------------------|---|----------------|
| michael.buchanan | Review of the 2024 Annual Groundwater Monitoring Report for Blanco Plant--N. Flare Pit: content satisfactory 1. Conduct the annual groundwater monitoring event in the fourth quarter of 2025. 2. Hand bail or remove by other method, all measurable LNAPL for disposal and attach scale ticket from disposal. 3. Continue monitoring and recover of wells: MW-32, MW-47, MP-1 and TW-2 on a quarterly basis. 4. Submit the 2025 annual groundwater report to OCD no later than April 1, 2026. | 5/5/2025       |