



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

NMOCD Incident No.  
NAUTOFCS000155

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## 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).

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- 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).

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- 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

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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.

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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

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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

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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

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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.

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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.

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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

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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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Stantec, 2024b. *Monitoring Well and Soil Boring Installation and SVE Testing Activities Work Plan*. July 2024.

# 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
			<b>Total:</b>	<b>0.77</b>	<b>6.04</b>	

**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
<b>Total:</b>				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	NA	57.02	5577.31
		3/26/2001	NA	NA	NA	57.07	5577.26
		5/30/2002	NA	NA	NA	57.08	5577.25
		6/2/2003	NA	NA	NA	57.12	5577.21
		8/4/2003	NA	NA	NA	57.06	5577.27
		9/3/2003	NA	NA	NA	57.11	5577.22
		12/16/2003	NA	NA	NA	57.31	5577.02
		5/17/2004	NA	NA	NA	57.14	5577.19
		8/23/2004	NA	NA	NA	57.04	5577.29
		11/22/2004	NA	NA	NA	57.13	5577.2
		2/23/2005	NA	NA	NA	57.13	5577.2
		5/23/2005	NA	NA	NA	57.22	5577.11
		8/30/2005	NA	NA	NA	57.18	5577.15
		11/17/2005	NA	NA	NA	57.29	5577.04
		2/21/2006	NA	NA	NA	57.25	5577.08
		6/8/2006	NA	NA	NA	57.44	5576.89
		8/15/2006	NA	NA	NA	57.40	5576.93
		11/3/2006	NA	NA	NA	57.41	5576.92
		2/26/2007	NA	NA	NA	57.44	5576.89
		5/29/2007	NA	NA	NA	57.47	5576.86
		8/22/2007	NA	NA	NA	57.49	5576.84
		11/28/2007	NA	NA	NA	57.62	5576.71
		2/20/2008	NA	NA	NA	57.57	5576.76
		5/22/2008	NA	NA	NA	57.40	5576.93
		8/21/2008	NA	NA	NA	57.70	5576.63
		11/6/2008	NA	NA	NA	57.81	5576.52
		2/17/2009	NA	NA	NA	57.69	5576.64
		5/11/2009	NA	NA	NA	57.83	5576.50
8/26/2009	NA	NA	NA	57.93	5576.40		
2/18/2010	NA	NA	NA	57.89	5576.44		
8/25/2010	NA	NA	NA	58.11	5576.22		
2/23/2011	NA	NA	NA	58.04	5576.29		
8/31/2011	NA	NA	NA	58.12	5576.21		
12/17/2013	NA	ND	ND	58.58	5575.75		
6/18/2014	NA	ND	ND	58.53	5575.80		
12/16/2014	NA	ND	ND	58.70	5575.63		
6/24/2015	NA	ND	ND	58.91	5575.42		
12/16/2015	NA	ND	ND	58.82	5575.51		
6/29/2016	NA	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		
11/4/2024	ND	ND	74.13	5559.82		
MW-46	5650.99	11/14/2017	ND	ND	47.32	5603.67
		1/28/2018	ND	ND	46.56	5604.43
		4/2/2018	ND	ND	46.45	5604.54
		11/13/2018	ND	ND	47.38	5603.61
		4/16/2019	ND	ND	47.15	5603.84
		9/23/2019	ND	ND	48.49	5602.50
		10/15/2019	ND	ND	47.90	5603.09
		4/27/2020	ND	ND	46.74	5604.25
		8/18/2020	ND	ND	48.45	5602.54
		11/17/2020	ND	ND	48.10	5602.89
		5/20/2021	ND	ND	47.70	5603.29
		11/9/2021	ND	ND	49.10	5601.89

**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

**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-51 (cont.)	5639.50	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
MW-52	5643.83	9/23/2019	ND	ND	52.41	5591.42
		10/15/2019	ND	ND	51.98	5591.85
		4/27/2020	ND	ND	49.90	5593.93
		8/18/2020	ND	ND	49.90	5593.93
		11/17/2020	ND	ND	49.93	5593.90
		5/20/2021	ND	ND	49.94	5593.89
		8/23/2021	ND	ND	50.94	5592.89
		8/24/2021	ND	ND	51.90	5591.93
		8/29/2021	ND	ND	50.66	5593.17
		11/9/2021	ND	ND	50.37	5593.46
		5/17/2022	ND	ND	50.33	5593.50
		11/1/2022	ND	ND	50.51	5593.32
		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		
MW-53	5656.17	9/23/2019	ND	ND	59.90	5596.27
		10/15/2019	ND	ND	47.92	5608.25
		4/27/2020	ND	ND	43.35	5612.82
		8/18/2020	ND	ND	43.27	5612.90
		11/17/2020	ND	ND	43.29	5612.88
		5/20/2021	ND	ND	43.07	5613.10
		11/9/2021	ND	ND	43.08	5613.09
		5/17/2022	ND	ND	42.95	5613.22
		11/1/2022	ND	ND	42.96	5613.21
		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		
MW-54	5651.30	9/23/2019	ND	ND	59.55	5591.75
		10/15/2019	ND	ND	59.56	5591.74
		4/27/2020	ND	ND	59.38	5591.92
		8/18/2020	ND	ND	59.30	5592.00
		11/17/2020	ND	ND	59.41	5591.89
		5/20/2021	ND	ND	59.28	5592.02
		11/9/2021	ND	ND	58.82	5592.48
		5/17/2022	ND	ND	58.64	5592.66
		11/1/2022	ND	ND	58.20	5593.10
		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
MP-1 (contd.)	5648.53	11/10/2023	55.58	5.16	60.74	5591.66
		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
MP-2	5639.67	11/4/2024	55.42	5.05	60.47	5591.85
		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	<b>NMWQCC Standard (mg/L):</b>	<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>
	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)
<b>NMWQCC Standard (mg/L):</b>		<b>0.01</b>	<b>0.75</b>	<b>0.75</b>	<b>0.62</b>
<b>MW-40</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	<0.000176	<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	<b>0.00054 J</b>	<0.00025	<0.00021	<0.00037
<b>MW-41</b>	11/14/2017	<b>0.000239 J</b>	<b>0.000536 J</b>	<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	<b>0.00028 J</b>	<0.00025	<0.00021	<0.00037
<b>MW-42</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	<0.000176	<0.000198	<0.000212	<0.000366
	4/16/2019	<0.000176	<0.000198	<0.000212	<b>0.000403 J</b>
	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
<b>MW-43</b>	11/14/2017	<0.000176	<0.000198	<0.000212	<0.000366
	4/2/2018	<0.000176	<0.000198	<b>0.000226 J</b>	<0.000366
	11/14/2018	<0.000176	<0.000198	<0.000212	<b>0.000967 J</b>
	4/17/2019	<0.000176	<0.000198	<0.000212	<0.000366
	9/24/2019	<0.00018	<0.0002	<0.00021	<b>0.00059 J</b>
	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	<b>0.00051 J</b>	<0.00041	<0.00050	<0.0016
	11/10/2021	<b>0.00044 J</b>	<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-44</b>	11/14/2017	<b>0.227</b>	<b>0.000245 J</b>	<b>0.0177</b>	<b>0.000451 J</b>
	4/2/2018	<b>0.675</b>	<0.00099	<b>0.00198 J</b>	<0.00183
	11/14/2018	<b>0.646</b>	<0.00099	<b>0.00421 J</b>	<0.00183
	4/16/2019	<b>1.43</b>	<0.00198	<b>0.0161</b>	<0.00366
	9/24/2019	<b>1.32</b>	<0.00396	<b>0.0122 J</b>	<0.00732
	4/28/2020	<b>0.796</b>	<0.00396	<b>0.013 J</b>	<0.00732
	11/18/2020	<b>0.34 J-</b>	<0.00082	<b>0.0058 J-</b>	<0.0032
	11/18/2020 (Dup-01)	<b>0.25 J-</b>	<0.00041 UJ	<b>0.0062 J-</b>	<0.0016 UJ
	5/20/2021	<b>0.34</b>	<0.00082	<b>0.0093</b>	<0.0032
	5/20/2021 (Dup-02)	<b>0.35</b>	<0.00082	<b>0.010</b>	<0.0032 J
	11/10/2021	<b>0.57</b>	<0.0021	<b>0.016</b>	<0.0080
	5/17/2022	<b>0.18</b>	<0.00082	<b>0.011</b>	<0.0032
	11/2/2022	<b>0.20</b>	<0.00082	<b>0.0081</b>	<0.0032
	11/2/2022 (Dup-01)	<b>0.24</b>	<0.00082	<b>0.011</b>	<0.0032
	11/13/2023	<b>0.013</b>	<0.00090	<b>0.0017</b>	<0.0016
11/6/2024	<b>0.02</b>	<0.0013	<b>0.0015 J</b>	<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
11/13/2023	<b>0.73</b>	<0.0045	<b>0.0097</b>	<0.0080	
<b>MW-52</b>	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
	11/6/2024	<b>0.47</b>	<0.0013	<0.0011	<0.0019
<b>MW-53</b>	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	<b>0.00058 J</b>	<0.00025	<0.00021	<0.00037
<b>MW-54</b>	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
	11/13/2023	<0.00050	<0.00090	<0.00050	<0.0016
11/6/2024	<0.00023	<0.00025	<0.00021	<0.00037	
<b>MW-55</b>	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
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
- < = 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)
<b>NMWQCC Standard (mg/L):</b>		<b>10</b>
<b>MW-23</b>	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
<b>MW-32</b>	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
<b>MW-33</b>	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	
<b>MW-40</b>	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>	
<b>MW-41</b>	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)
<b>NMWQCC Standard (mg/L):</b>		<b>10</b>
<b>MW-42</b>	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
<b>MW-43</b>	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
<b>MW-44</b>	11/6/2024	<0.1 UJ
	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
<b>MW-45</b>	11/13/2023	<0.63 UJ
	11/6/2024	<0.1 UJ
	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>	
<b>MW-46</b>	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)
<b>NMWQCC Standard (mg/L):</b>		<b>10</b>
<b>MW-47</b>	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
<b>MW-48</b>	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	
<b>MW-49</b>	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
<b>MW-50</b>	9/23/2019	<b>16.7 J</b>
	4/28/2020	<b>4.08</b>
	11/18/2020	<b>4.2</b>
	5/20/2021	NC
	11/10/2021	NC
	5/17/2022	NC
	11/13/2023	<b>96 J</b>
11/6/2024	<b>91 J</b>	
<b>MW-51</b>	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	<b>0.33</b>
	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)
<b>NMWQCC Standard (mg/L):</b>		<b>10</b>
<b>MW-52</b>	9/24/2019	<b>1.04</b>
	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
<b>MW-53</b>	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
<b>MW-54</b>	9/24/2019	<0.0251
	4/28/2020	<0.0251
	4/28/2020 (MD-54)	<0.0251
	11/18/2020	<b>13 J-</b>
	5/20/2021	<b>8.6</b>
	11/10/2021	<b>14 HJ-</b>
	5/17/2022	<b>13</b>
	11/13/2023	<b>12 J</b>
<b>MW-55</b>	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
	11/6/2024	<0.1 UJ
<b>MW-56</b>	9/24/2019	<0.0251
	4/28/2020	<0.0251
	11/18/2020	<b>0.46</b>
	5/20/2021	NC
	11/10/2021	NC
	5/17/2022	NC
	11/13/2023	NC
	11/6/2024	NC
<b>MW-57</b>	11/10/2021	<b>4.9</b>
	5/17/2022	<b>10</b>
	11/13/2023	<b>54 J</b>
	11/6/2024	<b>47 J</b>
<b>MW-58</b>	5/18/2023	<1.0
	11/13/2023	<0.63 UJ
	11/6/2024	<0.1 UJ
<b>MW-59</b>	5/18/2023	<1.0
	11/13/2023	NC
	11/6/2024	NC
<b>MW-60</b>	11/13/2023	NC
	11/6/2024	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)
<b>NMWQCC Standard (mg/L):</b>		<b>10</b>
<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 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
<b>MW-40</b>	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
<b>MW-41</b>	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
<b>MW-42</b>	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
<b>MW-43</b>	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
<b>MW-44</b>	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
<b>MW-45</b>	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 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
<b>MW-46</b>	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
<b>MW-47</b>	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	<b>0.0064</b>	<0.00113	<b>0.0438</b>	<b>0.104</b>	<b>0.15</b>	NA	NA	NA	NA	NA
	44-45	9/19/2017	<b>6.08</b>	<0.18	<b>1.67</b>	<b>40.4</b>	<b>48</b>	NA	NA	NA	NA	NA
	46-47	9/19/2017	<b>0.049</b>	<b>0.00727</b>	<b>0.00398 J</b>	<b>0.132</b>	<b>0.19 J</b>	NA	NA	NA	NA	NA
	47-49	9/19/2017	<b>1.82</b>	<b>9.25</b>	<b>0.524</b>	<b>5.29</b>	<b>17</b>	NA	NA	NA	NA	NA
<b>MW-48</b>	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	<b>0.00581</b>	<b>0.0377</b>	<b>0.0102</b>	<b>0.156</b>	<b>0.21</b>	NA	NA	NA	NA	NA
	39-40	9/21/2017	<b>3.88</b>	<b>23.3</b>	<b>1.8</b>	<b>25.2</b>	<b>54</b>	NA	NA	NA	NA	NA
<b>MW-49</b>	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
<b>MW-50</b>	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
<b>MW-51</b>	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	<b>0.00174 J</b>	<0.00105	<b>0.0105</b>	<b>0.01 J</b>	NA	NA	NA	NA	NA
	49-50	8/19/2019	<b>1.36</b>	<b>5.86</b>	<b>1.12</b>	<b>18.2</b>	<b>27</b>	NA	NA	NA	NA	NA
<b>MW-52</b>	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 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
<b>MW-53</b>	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
<b>MW-54</b>	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
<b>MW-55</b>	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
<b>MW-56</b>	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
<b>MW-57</b>	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
<b>MW-58</b>	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>
<b>MW-59</b>	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>
<b>MW-60</b>	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>
<b>MW-61</b>	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>
<b>MW-62</b>	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>
<b>MW-63</b>	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 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
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

**Table 5  
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	<b>0.83</b>	<b>13</b>	<b>3.7</b>	<b>53</b>	<b>70.5</b>	<b>2200</b>	<b>250</b>	<b>20</b>	<b>2470</b>	<b>5.6 J</b>
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	<b>0.0038 J</b>	<b>0.035</b>	<b>0.04 J</b>	8.6	620	360	988.6	7.2 J
	44	5/4/2023	<0.0041	<0.0061	<b>0.18 J</b>	<b>2.8</b>	<b>2.98 J</b>	310	510	75	895.0	77
	55	5/4/2023	<0.085	<b>0.28 J</b>	<b>2</b>	<b>13</b>	<b>15.3 J</b>	<b>1100</b>	<b>1300</b>	<b>220</b>	<b>2620</b>	<b>11 J</b>
SB-09/MP-6	25	7/15/2024	<0.00071	<0.0011	<0.00065	<b>0.0020 J</b>	<b>0.0020 J</b>	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	<b>27</b>	<b>290</b>	<b>40</b>	<b>430</b>	<b>787</b>	<b>17000</b>	<b>10000</b>	<b>160</b>	<b>27160</b>	<b>40</b>
	44	7/15/2024	<b>5.8</b>	<b>30</b>	<b>18</b>	<b>220</b>	<b>273.8</b>	<b>6900</b>	<b>1500</b>	<b>73</b>	<b>8473</b>	<b>28</b>
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	<b>0.070 J</b>	<b>0.20 J</b>	<b>0.27 J</b>	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	<b>0.37</b>	<b>2.8</b>	<b>0.36</b>	<b>4.8</b>	<b>8.33</b>	<b>70</b>	<b>210</b>	<b>15</b>	<b>295</b>	<b>19 J</b>
TW-2	31-33.5	7/20/2021	<b>0.029 J</b>	<b>0.36</b>	<b>0.77</b>	<b>6.2</b>	<b>7.36 J</b>	NA	NA	NA	NA	NA
	37.5-40	7/20/2021	<b>0.0019</b>	<b>0.007</b>	<b>0.025</b>	<b>0.12</b>	<b>0.15</b>	NA	NA	NA	NA	NA
TW-3	44-46	7/18/2021	<b>0.0009 J</b>	<b>0.0007 J</b>	<b>0.0065</b>	<b>0.022</b>	<b>0.03 J</b>	NA	NA	NA	NA	NA
	48-50	7/18/2021	<b>0.025 J</b>	<b>0.14</b>	<b>0.62</b>	<b>3.5</b>	<b>4.29 J</b>	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	<b>0.55</b>	<b>2.1</b>	<b>1.2</b>	<b>19</b>	<b>22.9</b>	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.

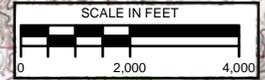
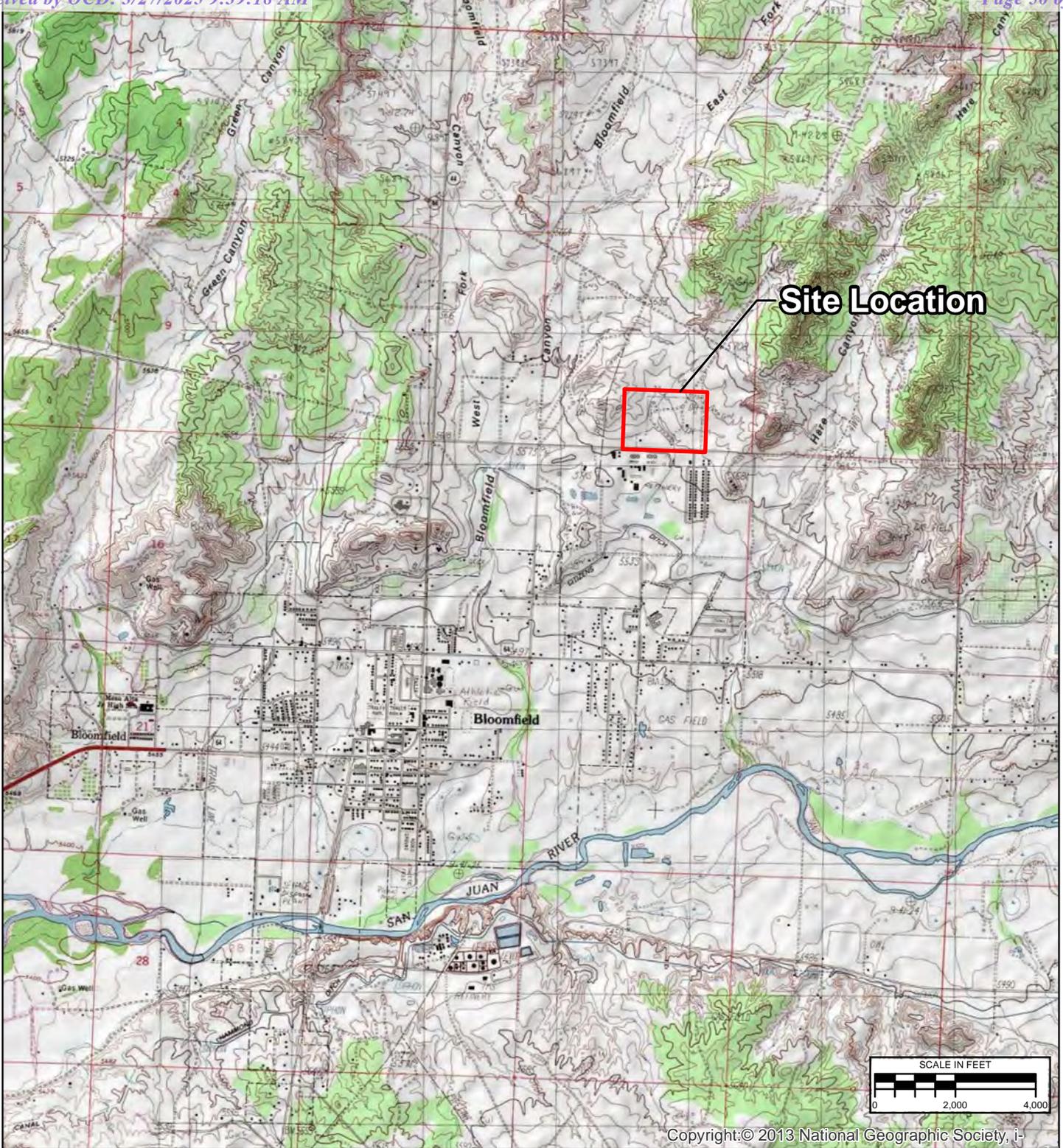
NE = Not established.

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.

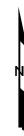
# FIGURES



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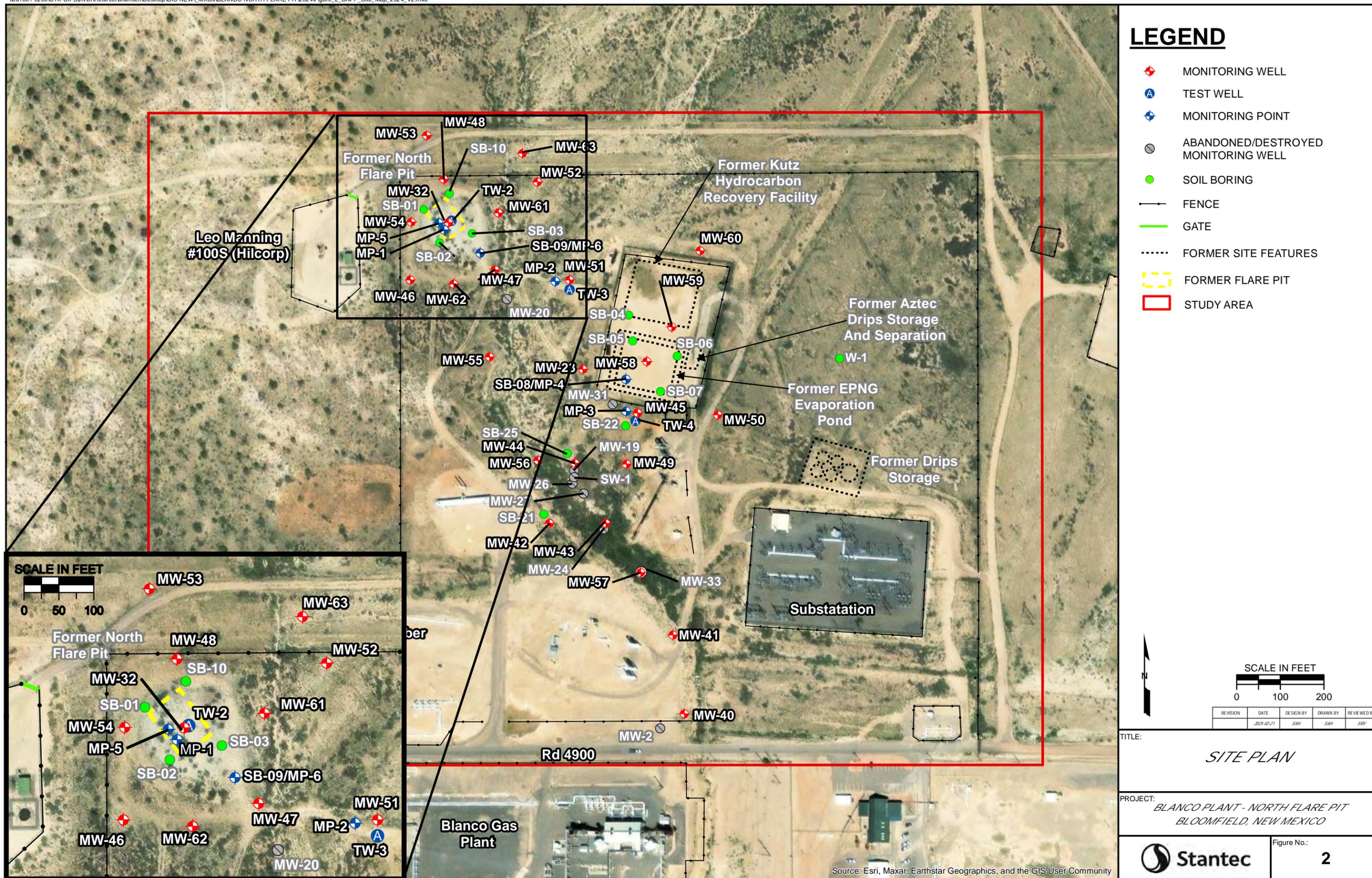
National Geographic, Esri, Garmin, HERE, UNEP-WCMC, USGS, NASA,



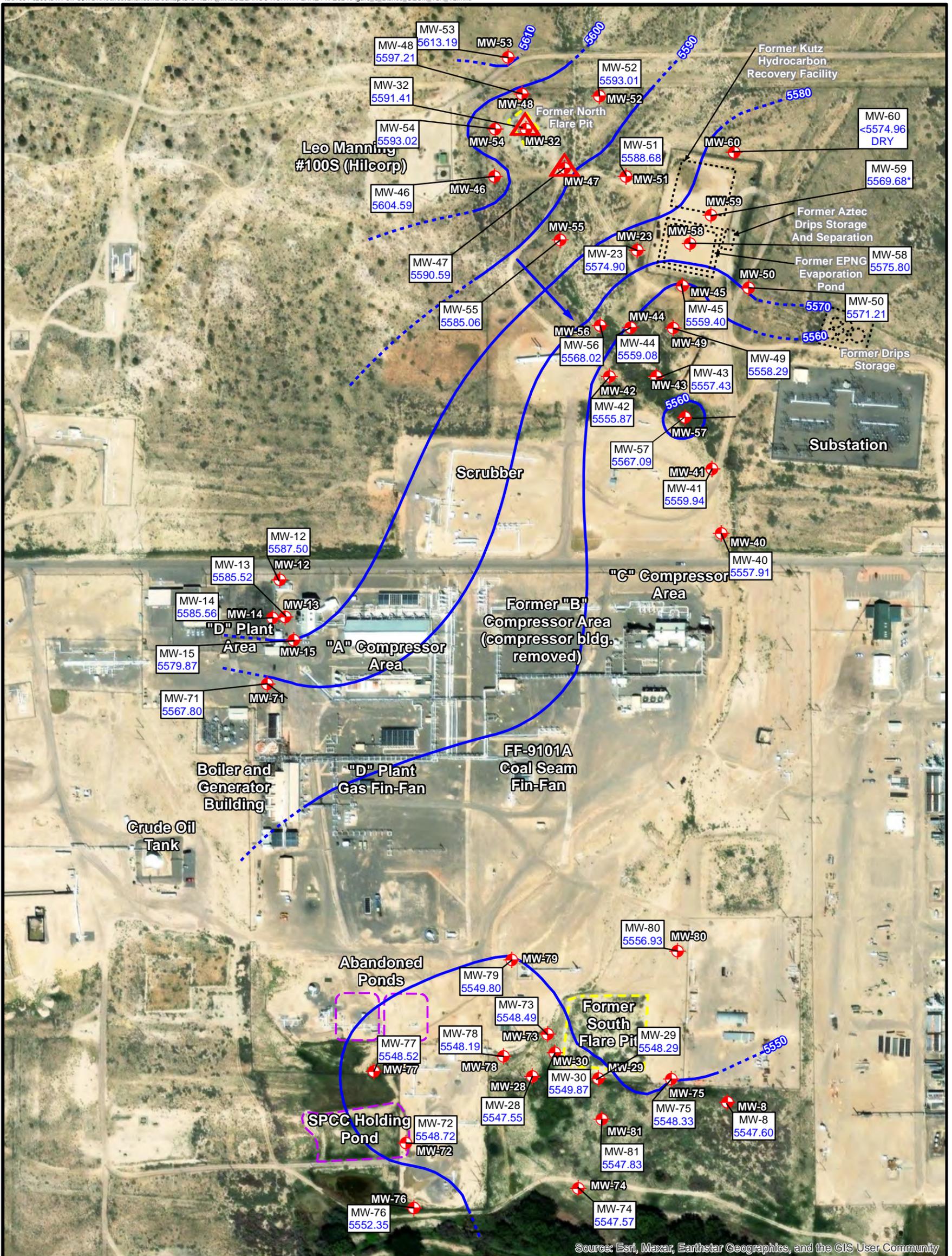
REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/9/2021	SLG	SLG	SRV

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

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



\\cd1001-c200\CTX-CIFSS\VID\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

SCALE IN FEET

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

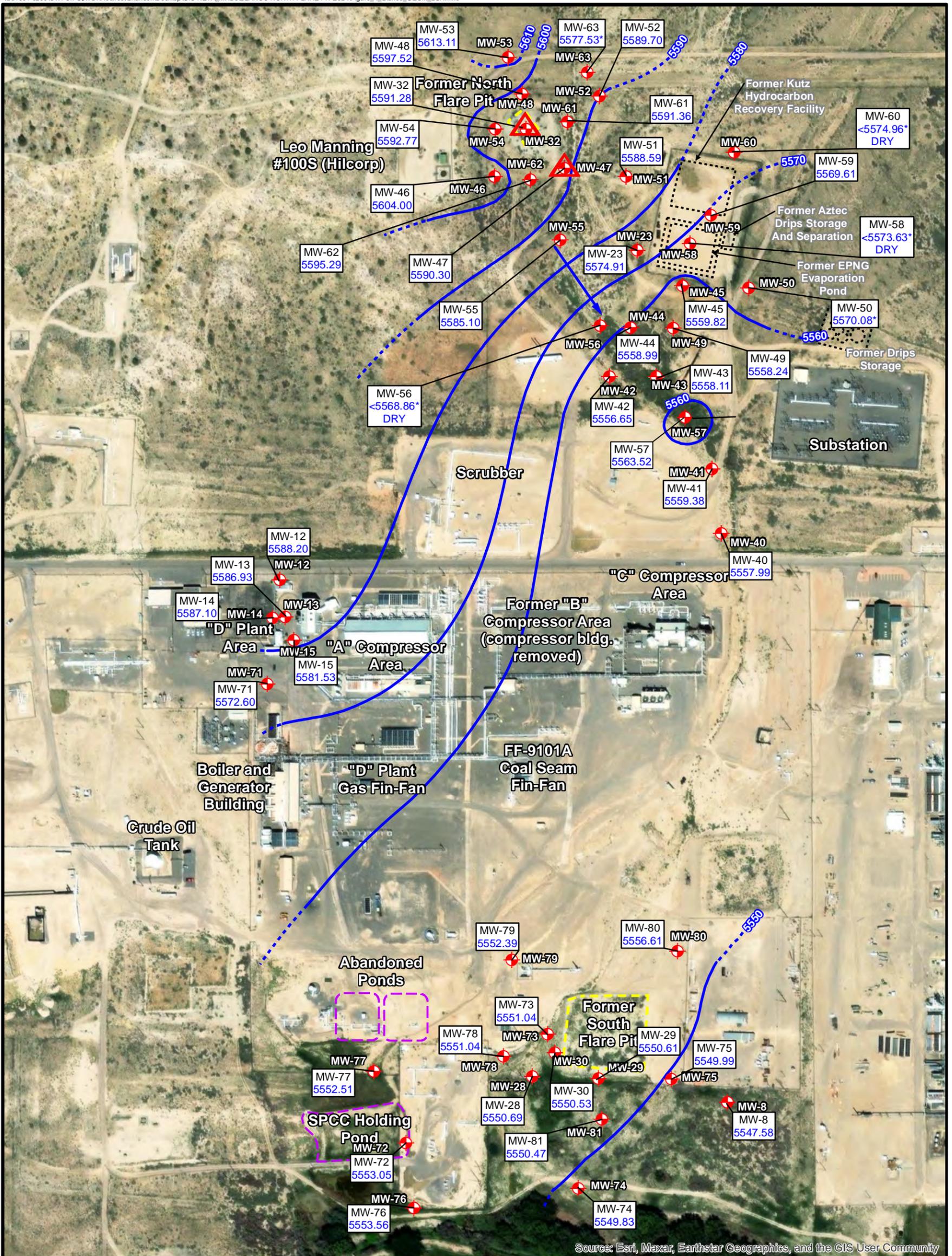
**NOTE:**  
 LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID  
 DRY = NO MEASURABLE WATER DETECTED;  
 ELEVATION OF BOTTOM OF GAUGED WELL PROVIDED

TITLE: *GROUNDWATER ELEVATION MAP  
MAY 18, 2024*

PROJECT: *BLANCO PLANT  
BLOOMFIELD, NEW MEXICO*

Figure No.: **3**

\\cd1001-c200\CTX-CIFSS\VIDI\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

- 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

SCALE IN FEET

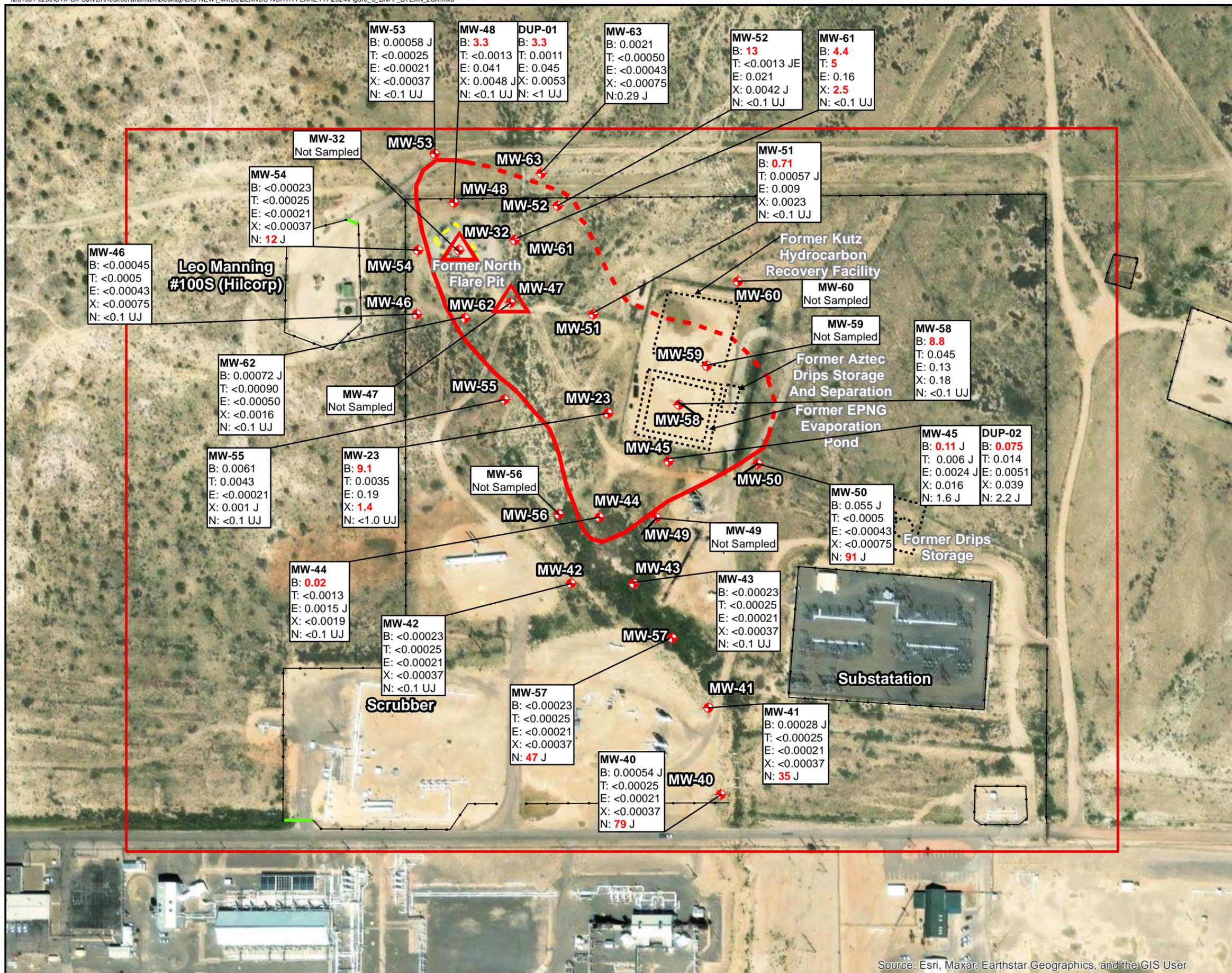
REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
1	2025-03-07	SAH	SAH	SOV

TITLE: *GROUNDWATER ELEVATION MAP  
NOVEMBER 4, 2024*

PROJECT: *BLANCO PLANT  
BLOOMFIELD, NEW MEXICO*

Figure No.: **4**

\\cd1001-c200\ICTX-CIFSS\VDI\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	NMWWQC 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	SBY

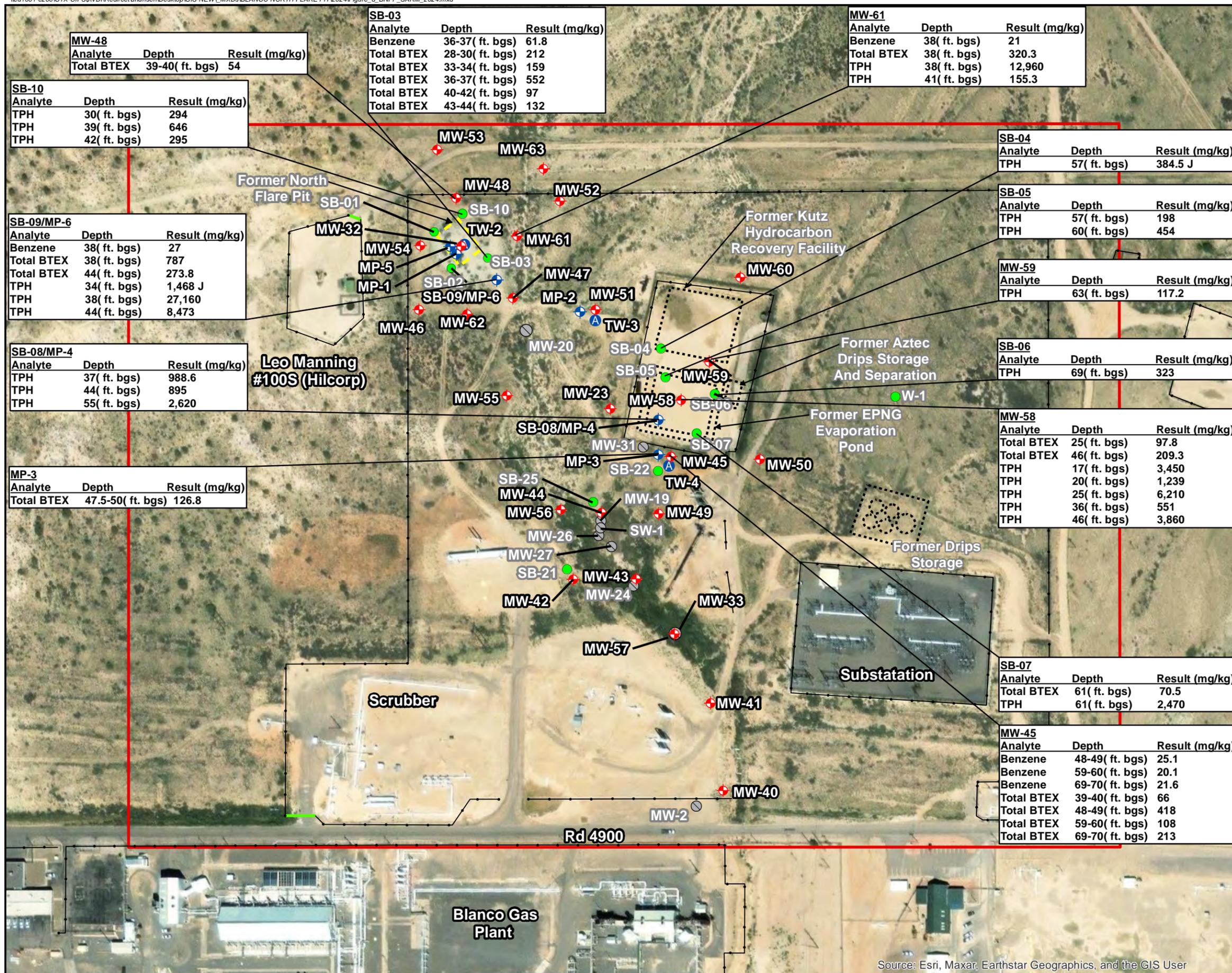
TITLE:  
*GROUNDWATER ANALYTICAL RESULTS  
NOVEMBER 6, 2024*

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

Figure No.: **5**

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

\\cd1001-c200\ICTX-CIFSS\WDIR\Redirect\shansen\Desktop\GIS-NEW\MXDs\BLANCO NORTH FLARE PIT\2024\Figure\_6\_BNFP\_SARM\_2024.mxd



### LEGEND

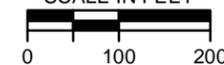
- ◆ MONITORING WELL
- TEST WELL
- ◆ MONITORING POINT
- ABANDONED/DESTROYED MONITORING WELL
- SOIL BORING
- FENCE
- GATE
- - - - - FORMER SITE FEATURES
- FORMER FLARE PIT
- STUDY AREA

**NOTES:**  
 BTEX = benzene, toluene, ethylbenzene, and total xylenes  
 ft bgs = feet below ground surface  
 mg/kg = milligram(s) per kilogram  
 J = Indicates estimated concentration indeterminate bias

ANALYTE	NMOC D STANDARDS
B = Benzene	10 mg/kg
BTEX = Benzene, toluene, ethylbenzene, total xylenes	50 mg/kg
TPH = Total Petroleum Hydrocarbons	100 mg/kg
Cl = Chloride	600 mg/kg



SCALE IN FEET



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

TITLE:  
**SOIL ANALYTICAL RESULTS  
 EXCEEDANCES**

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

	Figure No.: <b>6</b>
--	-------------------------

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

# 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)

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

**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





# Bill of Lading

MANIFEST # **84351**  
 GENERATOR El Paso  
 POINT OF ORIGIN Blanco Gas Plant N Flare  
 TRANSPORTER Envirotech Pit  
 DATE 03/29/24 JOB # 14093-0090

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 ground water			1			983	1000	<i>Austin [Signature]</i>

RESULTS		LANDFARM EMPLOYEE	NOTES
-201	CHLORIDE TEST		
	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 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.
	CHLORIDE TEST		
PASS	PAINT FILTER TEST	1	

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 here

CUSTOMER EIPASO

SITE Blanco Gas Plant N Flare Pit

DRIVER Austin Fouts

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

CHLORIDE TEST 281 mg/Kg

ACCEPTED YES X NO \_\_\_\_\_

PAINT FILTER TEST Time started 1000 Time completed 1012

PASS YES X NO \_\_\_\_\_

SAMPLER/ANALYST Craig Robinson





# Bill of Lading

MANIFEST # **85182**  
 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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Tank Bottoms			1			998	0945	
					1					

RESULTS			LANDFARM EMPLOYEE <i>Cory Robinson</i>	<input type="checkbox"/> Soil w/ Debris <input type="checkbox"/> After Hours/Weekend Reveal <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out	NOTES
434	CHLORIDE TEST	1			
	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# 85182

### CHLORIDE TESTING / PAINT FILTER TESTING

DATE 05/21/24 TIME \_\_\_\_\_ Attach test strip here

CUSTOMER EL PASO

SITE Bianco 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]



LF65043



envirotech

Bill of Lading

MANIFEST # 85984  
GENERATOR Kinder Morgan El Paso  
POINT OF ORIGIN Stasco North Flare Pit  
TRANSPORTER Riley 14073-007593  
DATE 7/9/2024 JOB # 97029-0003

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	Hydro Vac Cont Soil	-	-	40	-	-	26010	1705	Roy Jones
-	BF	Wash Out By Riley	-	-	5	-	-	26010	1705	Roy Jones
					45					

Bill 3.5 HAS CALL OUT

RESULTS	LANDFARM EMPLOYEE	NOTES
-274 CHLORIDE TEST 1	 <input type="checkbox"/> Soil w/ Debris <input checked="" type="checkbox"/> After Hours/Weekend Receipt <input type="checkbox"/> Scrape Out <input type="checkbox"/> Wash Out	Truck Out @ 1900
CHLORIDE TEST		Dove Blending @ 2000
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.	

SCANNED

ENTERED JUL 12 2024

Generator Onsite Contact \_\_\_\_\_ Phone \_\_\_\_\_  
Signatures required prior to distribution of the legal document. DISTRIBUTION: White - Company Records / Billing Yellow - Customer Pink - LF Copy



BOL# 85984

### CHLORIDE TESTING / PAINT FILTER TESTING

DATE 2/9/2024 TIME 1705

Attach test strip here

CUSTOMER Kinder Morgan

SITE Blanco North Flare Pit

DRIVER Ray Jones

SAMPLE Soil Straight  With Dirt

CHLORIDE TEST -274 mg/Kg

ACCEPTED YES  NO

PAINT FILTER TEST Time started 1705 Time completed 1715

PASS YES  NO

SAMPLER/ANALYST [Signature]





# Bill of Lading

MANIFEST # **86199**  
 GENERATOR EL Paso  
 POINT OF ORIGIN Blanco North Flare  
 TRANSPORTER Envirotech pit  
 DATE 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 EMPLOYEE <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	
Pass	PAINT FILTER TEST 2	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 ENTERED JUL 24 2024

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



BOL# 86199

### CHLORIDE TESTING / PAINT FILTER TESTING

DATE 07/18/24 TIME 1050

Attach test strip here

CUSTOMER EL Paso North

SITE Blanco Flare pit

DRIVER [Signature]

SAMPLE Soil Straight  With Dirt

CHLORIDE TEST -274 mg/Kg

ACCEPTED YES  NO

PAINT FILTER TEST Time started 1050 Time completed 1100

PASS YES  NO

SAMPLER/ANALYST [Signature]





BOL# 86199

### CHLORIDE TESTING / PAINT FILTER TESTING

DATE 07/18/24 TIME 1210 Attach test strip here

CUSTOMER El Paso

SITE Blanco North Flare Pit

DRIVER [Signature]

SAMPLE Soil  Straight  With Dirt

CHLORIDE TEST 279 mg/Kg

ACCEPTED YES  NO

PAINT FILTER TEST Time started 1210 Time completed 1222

PASS YES  NO

SAMPLER/ANALYST [Signature]









BOL# 88190

### CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/01/24 TIME 0950

Attach test strip here

CUSTOMER ELPASO

SITE Blanco North Flare Pit

DRIVER D. J. A.

SAMPLE Soil Straight  With Dirt

CHLORIDE TEST 276 mg/Kg

ACCEPTED YES  NO

PAINT FILTER TEST Time started 0950 Time completed 1000

PASS YES  NO

SAMPLER/ANALYST [Signature]







BOL# 88105

### CHLORIDE TESTING / PAINT FILTER TESTING

DATE 10/28/24 TIME 1510 Attach test strip here

CUSTOMER EL PASO

SITE Blanca gas Plant N. Flare Pit

DRIVER Roger Jara

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

CHLORIDE TEST 276 mg/Kg

ACCEPTED YES X NO \_\_\_\_\_

PAINT FILTER TEST Time started 1510 Time completed 1520

PASS YES X NO \_\_\_\_\_

SAMPLER/ANALYST [Signature]







BOL# 88126

### CHLORIDE TESTING / PAINT FILTER TESTING

DATE 10/29/24 TIME 1040 Attach test strip here

CUSTOMER EL Paso

SITE Blanco Cos Plant W. Flare Pit

DRIVER Roger 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]







BOL# 88384

### CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/15/24 TIME 11:00 Attach test strip here

CUSTOMER EL PASO

SITE Rio vista <sup>SEE LIST</sup> Comp station <sup>PER</sup> See BOL for List

DRIVER [Signature]

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

CHLORIDE TEST 400 mg/Kg

ACCEPTED YES X NO \_\_\_\_\_

PAINT FILTER TEST Time started 11:00 Time completed 11:10

PASS 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,

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,

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

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: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
SJ-4254 POD38 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:

<b>Exploratory*:</b> Is proposed well a future public water supply well? <input type="checkbox"/> Yes <input type="checkbox"/> NO If Yes, an application must be filed with NMED-DWB, concurrently. <input type="checkbox"/> Include a description of any proposed pump test, if applicable.	<b>Pollution Control and/or Recovery:</b> <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for the pollution control or recovery operation. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The annual diversion amount. <input type="checkbox"/> The annual consumptive use amount. <input type="checkbox"/> The maximum amount of water to be diverted and injected for the duration of the operation. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> The method of measurement of water produced and discharged. <input type="checkbox"/> The source of water to be injected. <input type="checkbox"/> The method of measurement of water injected. <input type="checkbox"/> The characteristics of the aquifer. <input type="checkbox"/> The method of determining the resulting annual consumptive use of water and depletion from any related stream system. <input type="checkbox"/> Proof of any permit required from the New Mexico Environment Department. <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.	<b>Construction De-Watering:</b> <input type="checkbox"/> Include a description of the proposed dewatering operation, <input type="checkbox"/> The estimated duration of the operation, <input type="checkbox"/> The maximum amount of water to be diverted, <input type="checkbox"/> A description of the need for the dewatering operation, and, <input type="checkbox"/> A description of how the diverted water will be disposed of.	<b>Mine De-Watering:</b> <input type="checkbox"/> Include a plan for pollution control/recovery, that includes the following: <input type="checkbox"/> A description of the need for mine dewatering. <input type="checkbox"/> The estimated maximum period of time for completion of the operation. <input type="checkbox"/> The source(s) of the water to be diverted. <input type="checkbox"/> The geohydrologic characteristics of the aquifer(s). <input type="checkbox"/> The maximum amount of water to be diverted per annum. <input type="checkbox"/> The maximum amount of water to be diverted for the duration of the operation. <input type="checkbox"/> The quality of the water. <input type="checkbox"/> The method of measurement of water diverted. <input type="checkbox"/> The recharge of water to the aquifer. <input type="checkbox"/> Description of the estimated area of hydrologic effect of the project. <input type="checkbox"/> The method and place of discharge. <input type="checkbox"/> An estimation of the effects on surface water rights and underground water rights from the mine dewatering project. <input type="checkbox"/> A description of the methods employed to estimate effects on surface water rights and underground water rights. <input type="checkbox"/> Information on existing wells, rivers, springs, and wetlands within the area of hydrologic effect.
<b>Monitoring*:</b> <input checked="" type="checkbox"/> Include the reason for the monitoring well, and, <input checked="" type="checkbox"/> The duration of the planned monitoring.	<b>Ground Source Heat Pump:</b> <input type="checkbox"/> Include a description of the geothermal heat exchange project, <input type="checkbox"/> The number of boreholes for the completed project and required depths. <input type="checkbox"/> The time frame for constructing the geothermal heat exchange project, and, <input type="checkbox"/> The duration of the project. <input type="checkbox"/> Preliminary surveys, design data, and additional information shall be included to provide all essential facts relating to the request.		

(\* 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

2024 JUN 21 AM 10:48  
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.:

**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 Owner's Well Name	Casing:		Longitude (decimal degrees)	Latitude (decimal degrees)
	Inside Diameter (inches)	and Depth (feet)		
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.

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 2 $\frac{3}{8}$  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

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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

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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:

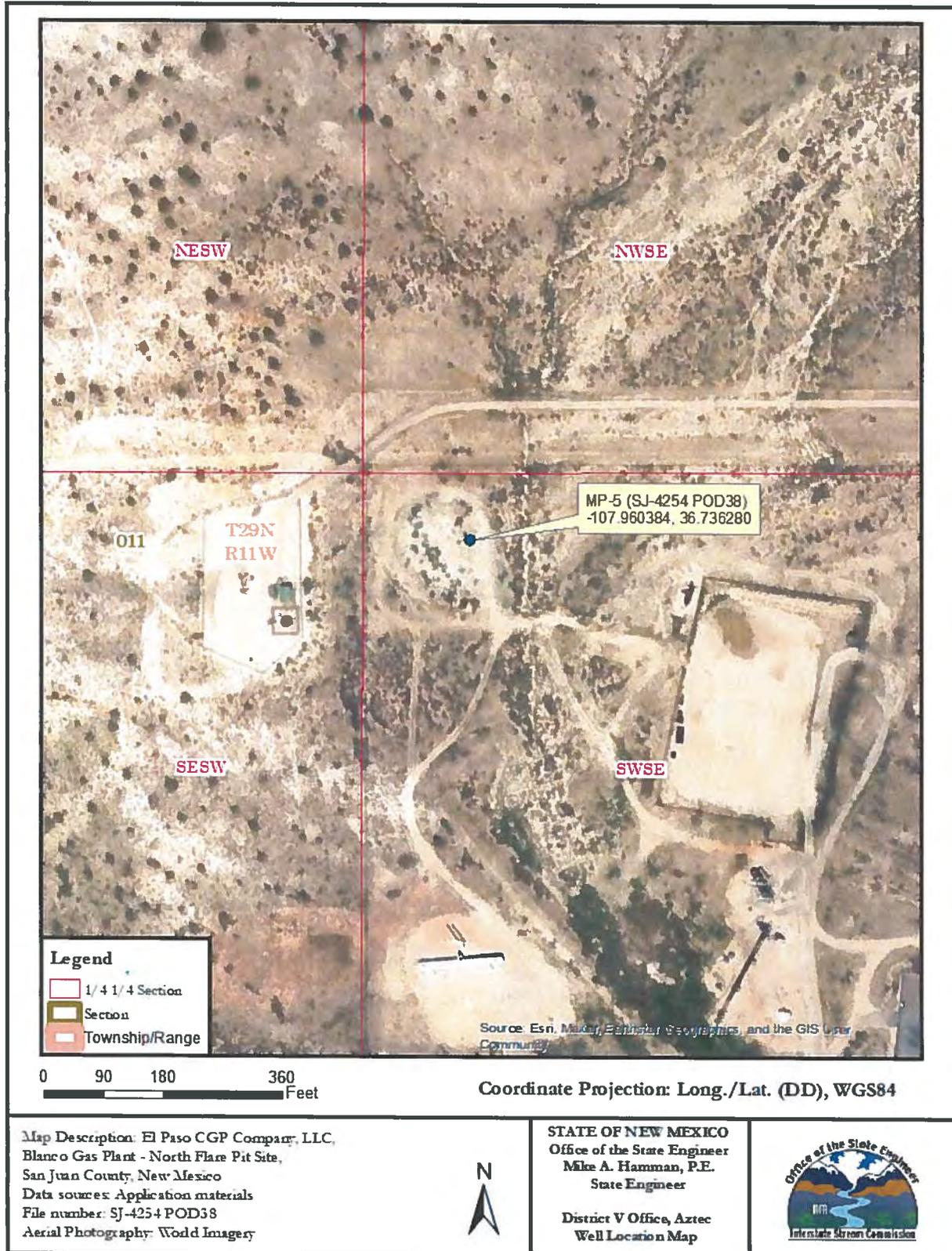
Witness my hand and seal this 27<sup>th</sup> day of June, A.D. 2024.  
Mike A. Hamman, P.E., State Engineer

By:   
Raneesha Dechilly  
District V Office, Water Rights Division

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

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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

- 1. Change of Ownership of Water Right \$ 2.00
- 2. Application to Appropriate or Supplement Domestic 72-12-1 Well \$ 125.00
- 3. Application to Repair or Deepen 72-12-1 Well \$ 75.00
- 4. Application for Replacement 72-12-1 Well \$ 75.00
- 5. Application to Change Purpose of Use 72-12-1 Well \$ 75.00
- 6. Application for Stock Well/Temp. Use \$ 5.00

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- 7. Application to Appropriate Irrigation, Municipal, or Commercial Use \$ 25.00
- 8. Declaration of Water Right \$ 1.00
- 9. Application for Supplemental Non 72-12-1 Well \$ 25.00
- 10. Application to Change Place or Purpose of Use Non 72-12-1 Well \$ 25.00
- 11. Application to Change Point of Diversion and Place and/or Purpose of Use from Surface Water to Ground Water \$ 50.00
- 12. Application to Change Point of Diversion and Place and/or Purpose of Use from Ground Water to Ground Water \$ 50.00
- 13. Application to Change Point of Diversion of Non 72-12-1 Well \$ 25.00
- 14. Application to Repair or Deepen Non 72-12-1 Well \$ 5.00

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- 15. Application for Test, Expl. Observ. Well \$ 5.00
- 16. Application for Extension of Time \$ 25.00
- 17. Proof of Application to Beneficial Use \$ 25.00
- 18. Notice of Intent to Appropriate \$ 25.00

### B. Surface Water Filing Fees

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

### C. Well Driller Fees

- 1. Application for Well Driller's License \$ 50.00
- 2. Application for Renewal of Well Driller's License \$ 50.00

### D. Reproduction of Documents

- @ 25¢/copy \$ \_\_\_\_\_
- Map(s) \$ \_\_\_\_\_

### E. Certification

\$ \_\_\_\_\_

### F. \*Credit Card Convenience Fee

\$ \_\_\_\_\_

### G. Other

\$ \_\_\_\_\_

### Comments:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**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 Granuals  
  Grout  
  Portland Cement  
  Sand Pack  
  Sand Pack

Depth (ft)	PID (ppm)	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
0				0-10' hydro-vacuumed, 7/9/2024.	
10	0.0		SM	Sand, silty, brown (7.5YR 5/2), loose to medium dense, dry, fine-grained, weakly cemented, crumbly, no odor.	
15	0.1		SM	Sand, silty, brown (7.5YR 4/2), loose to medium dense, dry, fine-grained, weakly cemented, crumbly, no odor.	
20	1.2		SM	Sand, silty, pale brown (10YR 6/3), loose to medium dense, dry, fine-grained, weakly cemented, crumbly, no odor.	
25	15.4		SM	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				No recovery.	

Continued Next Page

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





# 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 Granuals  
  Grout  
  Portland Cement  
  Sand Pack  
  Sand Pack

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

Location Bloomfield, New Mexico Project Number 193710670

Depth (ft)	PID (ppm)		Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
<i>Continued</i>						
35	4658 6389	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.	
	>15000			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'.	
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%			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				No recovery.	
	38.2	100%			No recovery.	
	227.5	0%			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	304.9	100%			Shale, black (Gley1 2.5/N), hard, some water beads, thinly bedded to massive, weakly cemented.	
	55.7				Weathered shale, dark gray (10YR 4/1), stiff, trace water beads, moderately cemented, no odor.	
	41.9	100%			No recovery.	
	18.7				No recovery.	
	92.1				No recovery.	
	8.1	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.	
55	9.8				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				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.	
	22.4				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.	
	33.9	100%			No recovery.	
	13.3				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.	
		100%			No recovery.	
65					End of boring = 60.5'. Well set at 59'.	
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 (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
0				0-10' hydro-vacuumed, 7/9/2024.	
10	0.0 0.0 2.8 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 4.8 0.0 2.3	100% 	SM	Sand, silty, very dark gray (10YR 3/1), medium dense, dry, weakly cemented, fine-grained, crumbly, no odor.	
20	1.4 0.9 4.9 8.4	0% 	SM	No recovery. 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 4.2 60.7* 17.5	100% 	SM	No recovery. 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'.	
30	37.2 29.8 98.7 35.1	0% 	SM	No recovery. Sand, silty, brown (7.5YR 5/2), loose to medium dense, dry to trace water beads, very weakly cemented, fine-grained, crumbly, odor.	
35	1854 2254 1342 2539* 1754	100% 	SM	No recovery. 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 BLANCO NEP.GPJ MWH IA.GDT 2/10/25



# Drilling Log

Monitoring Well **MW-61**

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 (ft)	PID (ppm)		Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
40	144.0 1134*	0%		SM	<i>Continued</i> 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	810.0 918.6 71.5 596.6	100%			SM	
50	196.0 2013 35.3 41.5	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	3.9 3.0 9.8 74.3	100%			No recovery. Shale, black (10YR 2/1), moderately hard, dry to trace water beads, very thinly-bedded to massive, slightly weathered, slight odor.	
60	22.4 39.9 48.2 16.1 4.4	100%			No recovery. 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	48.5 16.8 82.7 14.0	100%			End of boring = 62'. Well set at 62'.	
70						
75						
80						
85						
90						

Drilling Log BLANCO NFP.GPJ MWH IA.GDT 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 (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
0				0-10' hydro-vacuumed, 7/9/2024	
10	0.4 0.0 2.2 0.6	100%	SM	Sand, silty, brown (7.5YR 5/2), loose to medium dense, dry, weakly cemented, fine-grained, crumbly, no odor.	
15	1.8 0.2 1.1 0.1 0.6	100%	SM	No recovery.	
20	2.9* 0.8 0.7 2.3	0% 100%	SM	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 0.0 0.1 0.0	0% 100%	SM	No recovery. 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 0.3 1.0 0.0	0% 100%	SM	No recovery. Sand, silty, brown (10YR 5/3), medium dense to dense, dry, weakly cemented, fine-grained, no odor.	
35	0.7 0.0 5.7 16.4 30.4	0% 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. No recovery. 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 BLANCO NEFP.GPJ MWH IA.GDT 2/10/25



# Drilling Log

Monitoring Well **MW-62**

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 (ft)	PID (ppm)	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
<i>Continued</i>					
40	13.0 70.0*	0%		No recovery. 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'.	Well Completion
	33.6 5.8 4.9	100%			
45	3.8	0%		No recovery. 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'.	
	61.4 286.2*	100%			
	0.1 0.0			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.	
50	0.4 0.0	100%			
	0.0			No recovery. 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. 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.	
	1.5 1.6				
60	0.5 1.4	100%		Sandstone, gray (Gley1 6/N), very strong, hard, with water beads, massive, slightly weathered, fine-grained, subangular, no odor.	
	0.1 0.0	0%		Sandstone, gray (Gley1 6/N), strong, hard, with water beads, massive, cross-bedded, slightly weathered, fine-grained, subangular to subrounded, no odor.	
	0.8 0.1	100%		No recovery.	
65	0.9 1.1	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%.	
	0.4 3.1	100%		Shale, black (10YR 2/1), strong, moderately hard, some water beads, very thinly-bedded to massive, slightly weathered, no cementation, crumbly, no odor.	
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%		End of boring = 68.2'. Well set at 68.2'.	
		100%			
75		100%			
80					
85					
90					

Drilling Log BLANCO NFP.GPJ MWH IA.GDT 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 -65.32 <sup>11/01/24</sup> 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 (ft)	PID (ppm)	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion
0				Hydro-vacuumed, 10/29/2024; sand and silt, tanish brown, loose to dense, no apparent odors.	
5					
10	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	100%			Sand, silty, grayish tan, loose, dry, fine-grained.	
21	0.9*			Sand, silty, brownish gray, loose, dry, some weak cementation, fine-grained.	
22	0.0			Sand, clayey/silty, olive-brown, very dense decreasing with depth, slightly moist 25-27', cohesive, fine-grained.	
23	0.1*				
24	4.8*				
25	2.2				
26	2.2				
27	0.5				
28	0.8				
29	0.8				
30	3.3				
31	6.3*			Clay, sandy to clayey sand, olive to olive-brown, stiff, dry to slightly moist, low plasticity, no odors.	
32	5.8				
33	2.1				
34	2.9				
35	7.3*				
36	2.9			Clay/silt, medium olive, stiff, dry, moderately cohesive.	
37	0.6				
38	100%				
39					
40					

Continued Next Page

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



# Drilling Log

Monitoring Well **MW-63**

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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 32 (MW-61)		WELL TAG ID NO.		OSE FILE NO(S) SJ-4254		
	WELL OWNER NAME(S) EL Paso CGP Company,LLP (Attn: Joseph Wiley P.G.)				PHONE (OPTIONAL) 713-420-3475		
	WELL OWNER MAILING ADDRESS 1001 Louisiana St, Room 1445B				CITY Houston	STATE TX	ZIP 77002
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 36	MINUTES 44	SECONDS 10.7844	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84	
		LONGITUDE	107	57	36.5688		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW/4,SE/4, Sec11, T29N, R11W, San Jaun Cty,NM							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1664	NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling			
	DRILLING STARTED 7/9/2024	DRILLING ENDED 7/10/2024	DEPTH OF COMPLETED WELL (FT) 62	BORE HOLE DEPTH (FT) 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) 51.26	DATE STATIC MEASURED 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 (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	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 <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	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 USE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.		POD NO.		TRN NO.	
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2





# 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.) <b>POD 33 (MW-62)</b>		WELL TAG ID NO.		OSE FILE NO(S). <b>SJ-4254</b>	
	WELL OWNER NAME(S) <b>EL Paso CGP Company,LLP (Attn: Joseph Wiley P.G)</b>				PHONE (OPTIONAL) <b>713-420-3475</b>	
	WELL OWNER MAILING ADDRESS <b>1001 Louisiana St, Room 1445B</b>				CITY <b>Houston</b>	STATE ZIP <b>TX 77002</b>
	WELL LOCATION (FROM GPS)	DEGREES <b>36</b>	MINUTES <b>44</b>	SECONDS <b>09.3408</b>	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LATITUDE	LONGITUDE		* DATUM REQUIRED: WGS 84		

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE  
**SW/4,SE/4, Sec11, T29N, R11W, San Jaun Cty,NM**

2. DRILLING & CASING INFORMATION	LICENSE NO. <b>1664</b>	NAME OF LICENSED DRILLER <b>Shawn Cain</b>			NAME OF WELL DRILLING COMPANY <b>Cascade Drilling</b>			
	DRILLING STARTED <b>7/11/2024</b>	DRILLING ENDED <b>7/12/2024</b>	DEPTH OF COMPLETED WELL (FT) <b>68</b>	BORE HOLE DEPTH (FT) <b>68</b>	DEPTH WATER FIRST ENCOUNTERED (FT) <b>59</b>			
	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) <b>59.43</b>	DATE STATIC MEASURED <b>7/17/2024</b>		
	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: <b>Sonic</b>					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	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 <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	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

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 1 OF 2			





# WELL RECORD & LOG

## OFFICE OF THE STATE ENGINEER

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1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 34 (MW-63)		WELL TAG ID NO.		OSE FILE NO(S). SJ-4254		
	WELL OWNER NAME(S) EL Paso CGP Company,LLP (ATTN: Joseph Wiley P.G)				PHONE (OPTIONAL) 713-420-3475		
	WELL OWNER MAILING ADDRESS 1001 Louisiana St, Room 1445B				CITY Houston	STATE TX	ZIP 77002
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 44	SECONDS 12.8544	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE	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 NW/4,SE/4, Sec11, T29N, R11W, San Jaun County,NM							

2. DRILLING & CASING INFORMATION	LICENSE NO. 1664	NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling			
	DRILLING STARTED 10/30/2024	DRILLING ENDED 10/31/2024	DEPTH OF COMPLETED WELL (FT) 70	BORE HOLE DEPTH (FT) 70	DEPTH WATER FIRST ENCOUNTERED (FT) 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) 65	DATE STATIC MEASURED 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 (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	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 <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	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			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.	POD NO.	TRN NO.			
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2			



Stanford

113 24-1140

SB-8 MP-6



WELL RECORD & LOG
OFFICE OF THE STATE ENGINEER
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION
OSE POD NO. (WELL NO.)
WELL TAG ID NO.
OSE FILE NO(S)
WELL OWNER NAME(S)
PHONE (OPTIONAL)
WELL OWNER MAILING ADDRESS
CITY STATE ZIP
WELL LOCATION (FROM GPS)
DEGREES MINUTES SECONDS
LATITUDE LONGITUDE
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

2. DRILLING & CASING INFORMATION
LICENSE NO. NAME OF LICENSED DRILLER NAME OF WELL DRILLING COMPANY
DRILLING STARTED DRILLING ENDED DEPTH OF COMPLETED WELL (FT) BORE HOLE DEPTH (FT) DEPTH WATER FIRST ENCOUNTERED (FT)
COMPLETED WELL IS: ARTESIAN \*add Centralizer info below DRY HOLE SHALLOW (UNCONFINED)
STATIC WATER LEVEL IN COMPLETED WELL (FT) DATE STATIC MEASURED
DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY:
DRILLING METHOD: ROTARY HAMMER CABLE TOOL OTHER - SPECIFY: Sonic CHECK HERE IF PITLESS ADAPTER IS INSTALLED
DEPTH (feet bgl) BORE HOLE DIAM (inches) CASING MATERIAL AND/OR GRADE CASING CONNECTION TYPE CASING INSIDE DIAM. (inches) CASING WALL THICKNESS (inches) SLOT SIZE (inches)

3. ANNULAR MATERIAL
DEPTH (feet bgl) BORE HOLE DIAM. (inches) LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL 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
FILE NO. POD NO. TRN NO.
LOCATION WELL TAG ID NO. PAGE 1 OF 2
WR-20 WELL RECORD & LOG (Version 09/22/2022)



Stantec

113-24-1140

SB-16



# 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.) POD 37 ( SB-10)		WELL TAG ID NO.		OSE FILE NO(S). SJ-4254	
	WELL OWNER NAME(S) EL Paso CGP Company,LLP (Attn: Joseph Wiley P.G.)				PHONE (OPTIONAL) 713-420-3475	
	WELL OWNER MAILING ADDRESS 1001 Louisiana St, Room 1445B				CITY Houston	STATE ZIP TX 77002
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 36	MINUTES 44	SECONDS 11.1984 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE 107	57	37.7352 W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SW/4,SE/4, Sec11, T29N, R11W, San Jaun Cty,NM						

2. DRILLING & CASING INFORMATION	LICENSE NO. 1664	NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling			
	DRILLING STARTED 7/15/2024	DRILLING ENDED 7/16/2024	DEPTH OF COMPLETED WELL (FT) Boring	BORE HOLE DEPTH (FT) 50	DEPTH WATER FIRST ENCOUNTERED (FT) 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) 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						
				Boring				

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	50	6.167	Cement grout	11.23	Tremie

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 1 OF 2	



Stamp

11)-24-1140

MP-5



WELL RECORD & LOG
OFFICE OF THE STATE ENGINEER
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION
OSE POD NO. (WELL NO.)
WELL TAG ID NO.
OSE FILE NO(S)
WELL OWNER NAME(S)
WELL OWNER MAILING ADDRESS
WELL LOCATION (FROM GPS)
DEGREES, MINUTES, SECONDS
LATITUDE, LONGITUDE
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS

2. DRILLING & CASING INFORMATION
LICENSE NO.
NAME OF LICENSED DRILLER
NAME OF WELL DRILLING COMPANY
DRILLING STARTED, DRILLING ENDED, DEPTH OF COMPLETED WELL (FT), BORE HOLE DEPTH (FT), DEPTH WATER FIRST ENCOUNTERED (FT)
COMPLETED WELL IS: ARTESIAN, DRY HOLE, SHALLOW (UNCONFINED)
DRILLING FLUID: AIR, MUD
DRILLING METHOD: ROTARY, HAMMER, CABLE TOOL, OTHER
DEPTH (feet bgl), BORE HOLE DIAM (inches), CASING MATERIAL AND/OR GRADE, CASING CONNECTION TYPE, CASING INSIDE DIAM. (inches), CASING WALL THICKNESS (inches), SLOT SIZE (inches)

3. ANNULAR MATERIAL
DEPTH (feet bgl), BORE HOLE DIAM. (inches), LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL, AMOUNT (cubic feet), METHOD OF PLACEMENT

FOR OSE INTERNAL USE
FILE NO., POD NO., TRN NO., LOCATION, WELL TAG ID NO., PAGE 1 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.



# 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

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During the event, several monitoring points were measured for vacuum influence. The observation well readings (in "H2O) 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

**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:

ppmv = parts per million by volume                      TPH-G/BTEX analyzed by EPA TO-3M / TO-15  
 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 # (Stinger Depth)	SYSTEM PARAMETERS			Hydrocarbon Recovery (using Horiba Data)								
							System Vacuum (in of Hg)	Total System Inlet Flow (scfm)**	Influent Concentrations (ppmv)*	(lbs)	(gal)	(Cumul. lbs)	(Cumul. gal)
8/21/2024 12:00		<b>Extraction in well MW-58</b>					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
							<b>MW-58 Total:</b>			--	--	25.10	4.02
8/22/2024 9:00		<b>Extraction in well MW-32</b>					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
							<b>MW-32 Total:</b>			--	--	0.78	0.12
8/22/2024 13:00		<b>Extraction in well MP-1</b>					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
							<b>MP-1 Total:</b>			--	--	2.33	0.37

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

TIME	Extraction Well # (Stinger Depth)	SYSTEM PARAMETERS			Hydrocarbon Recovery (using Horiba Data)								
							System Vacuum (in of Hg)	Total System Inlet Flow (scfm)**	Influent Concentrations (ppmv)*	(lbs)	(gal)	(Cumul. lbs)	(Cumul. gal)
8/23/2024 8:30		<b>Extraction in well MW-61</b>					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
<b>MW-61 Total:</b>										--	--	4.08	0.65
8/23/2024 13:00		<b>Extraction in well MW-47</b>					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
<b>MW-47 Total:</b>										--	--	0.57	0.09
										<b>TOTAL HC RECOVERED</b>		<b>32.86</b>	<b>5.26</b>
										<b>Total Groundwater Extracted</b>			<b>0</b>

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



# Eurofins Pensacola

- 1
- 2
- 3
- 4
- 5

## 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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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



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### Sample Summary

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

Job ID: 400-264344-1

- 1
- 2
- 3
- 4
- 5

---

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



Air Toxics

Analysis Received in Chain of Custody

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

PID: \_\_\_\_\_

For Laboratory Use Only  
 Workorder #: \_\_\_\_\_

2408795

Special Instructions/Notes:

Click links below to view:  
 Canister Sampling Guide  
 Helium Shroud Video

Turnaround Time (Rush surcharges may apply)

Client: Stantec Consulting P.O. # 220,000  
 Project Name: BNEP - MBPF  
 Project Manager: Steve Versa  
 Sampler: Scott Hansen  
 Site Name: Blanca Plant - North Flare Pit

Lab ID	Sample Identification	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Initial (in Hg)	Final (in Hg)	Receipt	Lab Use Only		Requested Analyses	
				Date	Time	Date	Time				Final (psig) Gas: N <sub>2</sub> / He	Time		
01A	EEF-08212024 (BNEP)	1556	2305	8/21/24	1556	8/21/24	1552	23.5	25				TQ-3 TQ-15 BTEX	
02A	INN-08212024 (BNEP)	6017	2242	8/21/24	1550	8/21/24	1556	24.0	4.0				X X	
<del>_____</del>														
Relinquished by: (Signature/Affiliation)				Date	Time	Received by: (Signature/Affiliation)		Date	Time					
Steve Hansen / Stantec				8/28/24	1500	Steve Hansen / EATL		8/29/24	1016					
Relinquished by: (Signature/Affiliation)				Date	Time	Received by: (Signature/Affiliation)		Date	Time					
_____				_____	_____	_____		_____	_____					

Shipper Name: FEDEX / FedEx Custody Seals Intact? Yes No None Lab Use Only  
 Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, State, Federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.I. Helpline (800) 467-4972



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- 3
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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".

Brian Whittaker  
 Project Manager



Air Toxics

**WORK ORDER #: 2408795A**

Work Order Summary

<b>CLIENT:</b>	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514	<b>BILL TO:</b>	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. 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>	09/06/2024		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL 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



**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

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**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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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

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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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 Limits
1,2-Dichloroethane-d4	109	70-130
Toluene-d8	101	70-130
4-Bromofluorobenzene	116	70-130

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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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 Limits
1,2-Dichloroethane-d4	106	70-130
Toluene-d8	108	70-130
4-Bromofluorobenzene	93	70-130

- 1
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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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 Limits
1,2-Dichloroethane-d4	99	70-130
Toluene-d8	92	70-130
4-Bromofluorobenzene	106	70-130

- 1
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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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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

- 1
- 2
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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

- 1
- 2
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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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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

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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



Air Toxics

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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



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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 written in a cursive style.

Brian Whittaker  
Project Manager



Air Toxics

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**WORK ORDER #: 2408795B**

Work Order Summary

<b>CLIENT:</b>	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514	<b>BILL TO:</b>	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. 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 VAC./PRES.</u>	<u>FINAL 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

**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.

<i>Requirement</i>	<i>TO-3</i>	<i>ATL Modifications</i>
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.

- 
- 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

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

**Client Sample ID: EFF-08212024 (BNFP)**

**Lab ID#: 2408795B-01A**

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

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	109	75-150

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Air Toxics

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

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	138	75-150

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- 2
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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 (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.025	0.12	Not Detected	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	99	75-150

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- 2
- 3
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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

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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



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

<b>CAS Number</b>	<b>Compound</b>	<b>Rpt. Limit (ppmv)</b>
9999-9999-556	TPHg (C5-C10 ref. Octane)	0.025

	<b>Surrogate</b>	<b>Method Limits</b>
462-06-602	Fluorobenzene (FID)	75-150



Environment Testing

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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



# 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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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



# Table of Contents

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# Sample Summary

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

Job ID: 400-264347-1

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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



Air Toxics

Analysis Request / Canister Chain of Custody

180 Blue Ravina Rd, Suite B, Folsom, CA 95630  
 Phone: (800) 985-5955; Fax (916) 351-8279

For Laboratory Use Only  
 Workorder #: 2408798

PID: 7388 Special Instructions/Notes:

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  
 Lab Use Only  
 Requested Analyses

Client: State PID: 7388  
 Project Name: ENFP-MDPE  
 Project Manager: Steve Varso P.O.#  
 Sampler: Scott Hansen  
 Site Name: Blaine North Flare Pit

Lab ID	Sample Identification	Can #	Flow Controller #	Start Sampling Information		Stop Sampling Information		Initial (in Hg)	Final (in Hg)	Receipt	Final (psig) Gas: N <sub>2</sub> /He	Requested Analyses
				Date	Time	Date	Time					
00A	INN-08232024 (MO-0)	N3503	2305	8/23/24	1237	8/23/24	1245	24	1.0			X TO-3 TPH X TO-15 BTEX
00A	EFF-08232024 (MO-0)	N2489	2310	8/23/24	1243	8/23/24	1247	21	4.0			X X
<i>[Large handwritten signature across the table]</i>												
Relinquished by: (Signature/Affiliation)				Date	Time	Received by: (Signature/Affiliation)		Date	Time			
<i>[Signature]</i>				8/28/24	1500	<i>[Signature]</i> ENT		8/29/24	1016			
Relinquished by: (Signature/Affiliation)				Date	Time	Received by: (Signature/Affiliation)		Date	Time			
<i>[Signature]</i>						<i>[Signature]</i>						

Shipper Name: FEDEX Custody Seal Intact? Yes Lab Use Only None

Sample Transportation Notice: Relinquishing signature on this document indicates that samples are shipped in compliance with all applicable local, state, federal, and international laws, regulations, and ordinances of any kind. Relinquishing signature also indicates agreement to hold harmless, defend, and indemnify Eurofins Air Toxics against any claim, demand, or action, of any kind, related to the collection, handling, or shipping of samples. D.O.I. Hollibaugh (800) 407-4822



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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".

Brian Whittaker  
Project Manager



Air Toxics

**WORK ORDER #: 2408798A**

Work Order Summary

<b>CLIENT:</b>	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. Pensacola, FL 32514	<b>BILL TO:</b>	Ms. Isabel Enfinger Eurofins Test America 3355 McLemore Dr. 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>	09/11/2024		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL 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.

*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



**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

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

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

**Lab ID#: 2408798A-01A**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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

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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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 Limits
1,2-Dichloroethane-d4	96	70-130
Toluene-d8	137 Q	70-130
4-Bromofluorobenzene	104	70-130

- 1
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- 3
- 4
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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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 Limits
1,2-Dichloroethane-d4	132 Q	70-130
Toluene-d8	94	70-130
4-Bromofluorobenzene	102	70-130

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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 (ppbv)	Amount (ppbv)	Rpt. Limit (ug/m3)	Amount (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 Limits
1,2-Dichloroethane-d4	118	70-130
Toluene-d8	96	70-130
4-Bromofluorobenzene	98	70-130

- 1
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- 4
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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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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

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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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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

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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



Air Toxics

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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



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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".

Brian Whittaker  
Project Manager



Air Toxics

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**WORK ORDER #: 2408798B**

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

**FAX:**

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

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

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

**PROJECT #** BNFP-MDPE

**CONTACT:** Brian Whittaker

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL 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

**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.

<i>Requirement</i>	<i>TO-3</i>	<i>ATL Modifications</i>
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.

- 
- 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

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**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 (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (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 (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	0.058	0.27	0.34	1.6

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- 3
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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 (ppmv)	Rpt. Limit (mg/m3)	Amount (ppmv)	Amount (mg/m3)
TPHg (C5-C10 ref. Octane)	16	72	6100	28000

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	139	75-150

- 1
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- 3
- 4
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Air Toxics

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

Container Type: 6 Liter Summa Canister

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	102	75-150

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- 2
- 3
- 4
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**Client Sample ID: Lab Blank**

**Lab ID#: 2408798B-03A**

**MODIFIED EPA METHOD TO-3 GC/FID**

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

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

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	99	75-150

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- 2
- 3
- 4
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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
- 3
- 4
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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)**

<b>CAS Number</b>	<b>Compound</b>	<b>Rpt. Limit (ppmv)</b>
9999-9999-556	TPHg (C5-C10 ref. Octane)	0.025

	<b>Surrogate</b>	<b>Method Limits</b>
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. Water Extracted	
Well I.D.																						
Screen Interval: From-To (ft)																						
Initial Depth To Water DTW (ft)																						
Time	Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW MANI WELL (ft)	Stinger Depth (feet)	Off/On WELL VAC (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals	
8/21					ON		1'															
1200	4	123	1457	790	ON	4		50.2												2467460	Ø	
1300	4	125	1665	1092	ON	4		50.7												2467460	Ø	
1300	8	101	1658	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 shutdown @ 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 Cummings

EXTRACTION WELLS																				Water Meter Readings	Cumul. Water Extracted	
Well I.D.					MW-32			MP-1								2467460						
Screen Interval: From-To (ft)					DTW	DTW	TD				DTW	DTW										
Initial Depth To Water DTW (ft)					58.02	58.94					55.79	60.22										
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 Well VAC (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW MANI (ft)	Stinger Depth (feet)	Off/On Well VAC (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			200K													
1300	19	28	1621	385	ON	18			200K													
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		200K								
1630	15	47	1444	125	-	-			-		ON	15		200K								
1630	20	4	1540	4800	-	-			-		ON	20		200K								
1730	20	8	1610	531	-	-			-		ON	20		200K								
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

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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

Time	Well I.D.																			Water Meter Readings	Cumul. Water Extracted
	Screen Interval: From-To (ft)																				
	Initial Depth To Water DTW (ft)																				
Unit Vacuum ("Hg.)	Air Flowrate (cfm)	TOX Temp. (degF)	Vapor Inlet Conc. (ppmv)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On Well VAC (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On Well VAC (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On Well VAC (ppmv)	DTW (ft)	Stinger Depth (feet)	Off/On (ppmv)	DTW (ft)	Stinger Depth (feet)	units	gals	
8/23																					
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	19		-								

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

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# 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

## OBSERVATION WELLS

WELL SCREEN DTW (ft)	MP-4		TW-4		MW-59		MW-45																
	Vacuum "H <sub>2</sub> O	DTW (ft)																					
8/21																							
1230	0.00	-	0.00	-	0.00	-	0.00	-															
1300	0.00	-	0.00	-	0.00	-	0.00	-															
1330	0.00	-	0.00	-	0.00	-	0.00	-															
1400	0.00	-	0.00	-	0.00	-	0.00	-															
1430	0.30	-	0.00	-	0.00	-	0.00	-															
1500	0.30	-	0.00	-	0.00	-	0.00	-															
1530	0.30	-	0.00	-	0.00	-	0.00	-															
1600	0.30	-	0.00	-	0.00	-	0.00	-															

Comments: 8/21/24

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Received by OCD: 3/27/2025 9:39:18 AM

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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: 8/12/2024 Page 2 of 3

Client:

Operator (s): Demetrius Cummings

OBSERVATION WELLS

WELL SCREEN	MP-1		MP-6		MP-6		TW-2		MW-47		MW-54		MW-61		MW-62		MW-32					
	DTW (ft)	DTW (ft)	DTW (ft)	DTW (ft)	Vacuum "H <sub>2</sub> O	DTW (ft)																
DTW (ft)	55.79	60.22	65.58		59.99		61.00	61.66	47.27		58.88		49.16		46.56		58.92	59.91				
Time																						
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 mw-32 to observations. Remove MP-1 to extraction well

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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): Demetrius Cummings

OBSERVATION WELLS

WELL SCREEN	TW-2 <sup>v</sup>		MP-1 <sup>v</sup>		MP-5 <sup>v</sup>		MP-6 <sup>v</sup>		MW-32 <sup>v</sup>		MW-62 <sup>v</sup>		MW-47		MW-52		MW-61					
	DTW		DTW	DTW																		
DTW (ft)	6.01		56.71	60.98	65.68		59.71		59.94		46.65		47.28		50.95		49.13					
Time	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	—	—	—				
1430	0.70	—	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	—	—	—				
1712	0.50	—	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

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# APPENDIX G

Groundwater Laboratory Analytical Reports





Environment Testing

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# 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



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## 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

Eurofins Albuquerque

## 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.

Eurofins Albuquerque

### 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

### Client Sample Results

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

Job ID: 885-14967-1

**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

**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

### Client Sample Results

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

Job ID: 885-14967-1

**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

**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
<b>Benzene</b>	<b>0.54</b>	<b>J</b>	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

### Client Sample Results

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

Job ID: 885-14967-1

**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

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>0.28</b>	<b>J</b>	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**

**Lab Sample ID: 885-14967-7**

Date Collected: 11/06/24 09:03

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 16:20	1
Ethylbenzene	<0.21		1.0	0.21 ug/L			11/11/24 16:20	1
m&p-Xylene	<0.37		1.0	0.37 ug/L			11/11/24 16:20	1
o-Xylene	<0.18		1.0	0.18 ug/L			11/11/24 16:20	1
Toluene	<0.25		1.0	0.25 ug/L			11/11/24 16:20	1
Xylenes, Total	<0.37		1.5	0.37 ug/L			11/11/24 16:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 130		11/11/24 16:20	1
Toluene-d8 (Surr)	100		70 - 130		11/11/24 16:20	1
4-Bromofluorobenzene (Surr)	94		70 - 130		11/11/24 16:20	1
Dibromofluoromethane (Surr)	98		70 - 130		11/11/24 16:20	1

### 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**

**Lab Sample ID: 885-14967-9**

Date Collected: 11/06/24 12:49

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	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**

**Lab Sample ID: 885-14967-10**

Date Collected: 11/06/24 11:52

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	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

### 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
<b>Xylenes, Total</b>	<b>4.8</b>	<b>J</b>	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**  
**Date Collected: 11/06/24 12:11**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-13**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzene</b>	<b>0.55</b>	<b>J</b>	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

### Client Sample Results

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

**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**

**Lab Sample ID: 885-14967-15**

Date Collected: 11/06/24 10:44

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
<b>Benzene</b>	<b>470</b>		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
<b>Benzene</b>	<b>0.58</b>	<b>J</b>	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

### Client Sample Results

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

Job ID: 885-14967-1

**Client Sample ID: MW-54**  
**Date Collected: 11/06/24 09:22**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-17**  
**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 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

### Client Sample Results

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

Job ID: 885-14967-1

**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

**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**  
**Date Collected: 11/06/24 13:11**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-19**  
**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 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

### Client Sample Results

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

Job ID: 885-14967-1

**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

**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**  
**Date Collected: 11/06/24 13:50**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-21**  
**Matrix: Water**

**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

### Client Sample Results

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

Job ID: 885-14967-1

**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: 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

### 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
<b>Benzene</b>	<b>2.1</b>		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	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 %Recovery	MSD 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 Result	MB 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 %Recovery	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	20.1	19.2		ug/L		95	70 - 130
Toluene	20.2	20.2		ug/L		100	70 - 130

Surrogate	LCS %Recovery	LCS 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 %Recovery	MS 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**  
 Date Collected: 11/06/24 07:00  
 Date Received: 11/07/24 15:17

**Lab Sample ID: 885-14967-1**  
 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 12:41

**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

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**  
 Date Collected: 11/06/24 00:00  
 Date Received: 11/07/24 15:17

**Lab Sample ID: 885-14967-3**  
 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 13:30
Total/NA	Analysis	8260B		10	15780	CM	EET ALB	11/12/24 16:14

**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

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**  
 Date Collected: 11/06/24 08:43  
 Date Received: 11/07/24 15:17

**Lab Sample ID: 885-14967-5**  
 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 15:32

**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

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

Eurofins Albuquerque

### 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

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# Chain of Custody Record



**Client Information**  
 Client Contact: Steve Varsa  
 Company: Stantec Consulting Services, Inc.  
 Address: 11311 Aurora Avenue  
 City: Des Moines  
 State, Zip: IA, 50322-7904  
 Phone: 515 253 0830  
 Email: steve.varsa@stantec.com  
 Project Name: KM - Blanco North  
 Site: See ARF

**Sampler:** Sean Clary  
 Phone: 913 980 0281  
 Lab PM: Upton, Catherine  
 E-Mail: Catherine.upton@et.eurofins.com  
 Carrier Tracking No(s):  
 State of Origin: NM  
 COC No: 885-2285-388.1  
 Page: Page 1 of 3  
 Job #: 885-14967 COC

**Analysis Requested**  
 Due Date Requested:  
 TAT Requested (days): STD  
 Compliance Project:  Yes  No  
 PO #: WD1141626  
 WO #:  
 Project #: 88502497  
 SOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefl, BT=BIAS, 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:
TB-01	11-6-2024	0700	G	Water	X	X	S	N	3	Trip Blank
DUP-01	11-6-2024	—	G	Water	X	X	S	N	3	
DUP-02	11-6-2024	—	G	Water	X	X	S	N	3	
MW-23	11-6-2024	1139	G	Water	X	X	S	N	3	
MW-40	11-6-2024	0843	G	Water	X	X	S	N	3	
MW-41	11-6-2024	0853	G	Water	X	X	S	N	3	
MW-42	11-6-2024	0903	G	Water	X	X	S	N	3	
MW-43	11-6-2024	1301	G	Water	X	X	S	N	3	
MW-44	11-6-2024	1244	G	Water	X	X	S	N	3	
MW-45	11-6-2024	1152	G	Water	X	X	S	N	3	
MW-46	11-6-2024	0413	G	Water	X	X	S	N	3	

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (Specify) See ARF

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

**Special Instructions/QC Requirements:**

**Empty Kit Relinquished by:** Date: \_\_\_\_\_

**Relinquished by:** Sean Clary  
 Date/Time: 11-6-2024 1446  
 Company: STW  
 Relinquished by: Matthew Blake  
 Date/Time: 11-6-24 1711  
 Company: Company  
 Relinquished by: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_  
 Company: Company

**Custody Seals Intact:**  Yes  No  
 Custody Seal No.:  
 Cooler Temperature(s) °C and Other Remarks: 1-0-0-1-0-90C MATO ICE  
 Ver: 05/06/2024



# Chain of Custody Record



Client Information		Sampler		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: Steve Varsa		Phone: 913 920-0231		Upton, Catherine		State of Origin: NM		885-2285-388.1	
Company: Stantec Consulting Services, Inc.		PWSID:		E-Mail: Catherine.upton@et.eurofins.com		Analysis Requested		Page: 2 Page 1 of 43	
Address: 11311 Aurora Avenue		Due Date Requested:		300 OF 28D, NO3 - Nitrate + Nitrite as N		Total Number of Containers		Job #:	
City: Des Moines		TAT Requested (days): STD		Field Filtered Sample (Yes or No)		Preservation Codes:		S-H2SO4 A-HCL	
State, Zip: IA, 50322-7904		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Matrix (Water, Solid, Wastewater, BT-Tissue, Air)		Other:			
Phone: 515 253 0330		PO #: WD1141626		Sample Type (C=Comp, G=grab)					
Email: steve.varsa@stantec.com		WC #:		Sample Time					
Project Name: KIM - Blanco North		Project #: 88502497		Sample Date					
Site: SEARF		SSOW#:		Preservation Code:					
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Wastewater, BT-Tissue, Air)	Field Filtered Sample (Yes or No)	300 OF 28D, NO3 - Nitrate + Nitrite as N	8260B - (MOD) BTEX	Special Instructions/Note:	Special Instructions/Note:
MW-48	11-6-2024	0930	G	Water	X	S	A		
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  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (Specify) **See ARF**

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

**Special Instructions/QC Requirements:**

**Empty Kit Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_  
**Relinquished by:** Ann R. Clay Date/Time: 11-6-2024 1446 Company: STN  
**Relinquished by:** Christa Wark Date/Time: 11-6-24 1711 Company: Company  
**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_ Company: Company

**Custody Seals Intact:**  Yes  No **Custody Seal No.:** \_\_\_\_\_  
 Cooler Temperature(s) °C and Other Remarks: 1.0-0.1 = 0.9°C NOJO ICE



### 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

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# 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  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
Designee for  
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: 885-14967-2



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## 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

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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: 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

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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-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

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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-40**

**Lab Sample ID: 885-14967-5**

Date Collected: 11/06/24 08:43

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	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

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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-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

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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-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

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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-43**

**Lab Sample ID: 885-14967-8**

**Date Collected: 11/06/24 13:01**

**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 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

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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-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

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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-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

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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-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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### Client Sample Results

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

Job ID: 885-14967-2

**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: 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

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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-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

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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-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

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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-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**  
**Date Collected: 11/06/24 09:22**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-17**  
**Matrix: Water**

**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

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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-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

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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-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

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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-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**  
**Date Collected: 11/06/24 13:50**  
**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-21**  
**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 23:07	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

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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-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

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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-63**

**Lab Sample ID: 885-14967-23**

Date Collected: 11/06/24 10:25

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	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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec 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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec 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 Result	MB 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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec 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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD 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**

**Date Collected: 11/06/24 00:00**

**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-2**

**Matrix: Water**

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**

**Date Collected: 11/06/24 00:00**

**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-3**

**Matrix: Water**

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**

**Date Collected: 11/06/24 11:39**

**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-4**

**Matrix: Water**

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**

**Date Collected: 11/06/24 08:43**

**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-5**

**Matrix: Water**

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**

**Date Collected: 11/06/24 08:53**

**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-6**

**Matrix: Water**

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**

**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	300.0		5	15793	EH	EET ALB	11/12/24 18:41

**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	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

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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-53**

**Date Collected: 11/06/24 10:11**

**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-16**

**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 22:11

**Client Sample ID: MW-54**

**Date Collected: 11/06/24 09:22**

**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-17**

**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 22:22

**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**

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**

**Date Collected: 11/06/24 13:11**

**Date Received: 11/07/24 15:17**

**Lab Sample ID: 885-14967-19**

**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 22:45

**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**

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**

**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	300.0		5	15793	EH	EET ALB	11/12/24 23:07

**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	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



**Client Information**  
 Client Contact: Steve Varsa  
 Company: Stantec Consulting Services, Inc.  
 Address: 11311 Aurora Avenue  
 City: Des Moines  
 State, Zip: IA, 50322-7904  
 Phone: 515 253 0830  
 Email: steve.varsa@stantec.com  
 Project Name: KM - Blanco North  
 Site: See ARF

Sampler: Sean Clary  
 Phone: 913 980 0281  
 Lab PM: Upton, Catherine  
 E-Mail: Catherine.upton@et.eurofins.com  
 Carrier Tracking No(s):  
 State of Origin: NM  
 COC No: 885-2285-388.1  
 Page: Page 1 of 3  
 Job #: 885-14967 COC

Due Date Requested:  
 TAT Requested (days): STD  
 Compliance Project:  Yes  No  
 PO #: WD1141626  
 WO #:  
 Project #: 88502497  
 SOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastefl, BT=BIAS, 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	Analysis Requested	Total Number of Containers	Special Instructions/Note:
TB-01	11-6-2024	0700	G	Water	X	X	S	A	N	3	Trip Blank
DUP-01	11-6-2024	—	G	Water	—	—	—	—	—	3	
DUP-02	11-6-2024	—	G	Water	—	—	—	—	—	3	
MW-23	11-6-2024	1139	G	Water	—	—	—	—	—	3	
MW-40	11-6-2024	0843	G	Water	—	—	—	—	—	3	
MW-41	11-6-2024	0853	G	Water	—	—	—	—	—	3	
MW-42	11-6-2024	0903	G	Water	—	—	—	—	—	3	
MW-43	11-6-2024	1301	G	Water	—	—	—	—	—	3	
MW-44	11-6-2024	1244	G	Water	—	—	—	—	—	3	
MW-45	11-6-2024	1152	G	Water	—	—	—	—	—	3	
MW-46	11-6-2024	0413	G	Water	—	—	—	—	—	3	

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (Specify) **See ARF**

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by: **Sean Clary** Date: 11-6-2024  
 Relinquished by: **Sean Clary** Date/Time: 11-6-2024 1446 Company: **STW**  
 Relinquished by: **Mattie blades** Date/Time: 11-6-24 1711 Company: **STW**  
 Relinquished by: **Mattie blades** Date/Time: 11-6-24 0750 Company: **COURIER**  
 Custody Seals Intact:  Yes  No  
 Cooler: Temperature(s) °C and Other Remarks: 1-0-0-1-0-90C **MOTO ICE**



# Chain of Custody Record



Client Information		Sampler		Lab PM:		Carrier Tracking No(s):		COC No:	
Client Contact: Steve Varsa		Phone: 913 920-0231		Upton, Catherine		State of Origin: NM		885-2285-388.1	
Company: Stantec Consulting Services, Inc.		PWSID:		E-Mail: Catherine.upton@et.eurofins.com		Analysis Requested		Page: 2 Page 1 of 43	
Address: 11311 Aurora Avenue		Due Date Requested:		300 OF 28D, NO3 - Nitrate + Nitrite as N		Field Filtered Sample (Yes or No)		Job #:	
City: Des Moines		TAT Requested (days): STD		8260B - (MOD) BTEX		S A		Preservation Codes: S - H2SO4 A - HCL	
State, Zip: IA, 50322-7904		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Matrix (Water, Solid, Wastewater, BT-Tissue, A-Air)		X X		Other:	
Phone: 515 253 0330		PO #: WD1141626		Sample Type (C=Comp, G=grab)		X X		Total Number of Containers	
Email: steve.varsa@stantec.com		WC #:		Sample Time		X X		Special Instructions/Note:	
Project Name: KIM - Blanco North		Project #: 88502497		Sample Date		X X			
Site: SEARF		SSOW#:		Preservation Code:		X X			
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					

<input checked="" type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab	
Deliverable Requested: I, II, III, IV, Other (Specify) <b>See ARF</b>		Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <b>Ann R. Clay</b>	Date: 11-6-2024	1446	Company: <b>STW</b>
Relinquished by: <b>Christie Wark</b>	Date: 11-6-24	1711	Company: <b>STW</b>
Relinquished by:	Date:		Company:
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: <b>1.0-0.1 = 0.9°C NO JO</b>	



### Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 885-14967-2

**Login Number: 14967**

**List Source: Eurofins Albuquerque**

**List Number: 1**

**Creator: Casarrubias, Tracy**

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

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# 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



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## 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

Eurofins Albuquerque

## 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

## 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	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

Surrogate	MB %Recovery	MB 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

## 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

Eurofins Albuquerque

# 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



## 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





### 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	

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Environment Testing

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# 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

## 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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Authorized for release by  
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Client: Stantec Consulting Services, Inc.  
Project/Site: Blanco North Flare Pit

Laboratory Job ID: 400-259268-1

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# 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.

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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: 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) C6--C10	8700		290	150	mg/Kg	2000	✳	8015C	Total/NA
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) C6--C10	120		15	7.7	mg/Kg	100	✳	8015C	Total/NA
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) C6--C10	4.5	J	7.4	3.7	mg/Kg	50	✳	8015C	Total/NA
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) C6--C10	59		8.0	4.0	mg/Kg	50	✳	8015C	Total/NA
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) C6--C10	15		8.3	4.2	mg/Kg	50	✳	8015C	Total/NA
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.

Eurofins Pensacola

# 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

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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 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) 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

### 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

### 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
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
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
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
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
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
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

### 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) 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
<b>Diesel Range Organics [C10-C28]</b>	<b>4.6</b>	<b>J</b>	5.7	2.3	mg/Kg	☼	07/18/24 08:38	07/18/24 22:12	1
<b>Oil Range Organics (C28-C35)</b>	<b>5.0</b>	<b>J B</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
<b>Chloride</b>	<b>2.9</b>	<b>J</b>	24	2.7	mg/Kg	☼		07/16/24 23:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids (EPA Moisture)</b>	<b>83.3</b>		0.01	0.01	%			07/18/24 14:50	1
<b>Percent Moisture (EPA Moisture)</b>	<b>16.7</b>		0.01	0.01	%			07/18/24 14:50	1

### 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) 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
<b>Diesel Range Organics [C10-C28]</b>	<b>5.7</b>	<b>J</b>	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
<b>Chloride</b>	<b>21</b>	<b>J</b>	26	3.0	mg/Kg	☼		07/16/24 23:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids (EPA Moisture)</b>	<b>77.5</b>		0.01	0.01	%			07/18/24 14:50	1
<b>Percent Moisture (EPA Moisture)</b>	<b>22.5</b>		0.01	0.01	%			07/18/24 14:50	1

### 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
<b>Xylenes, Total</b>	<b>0.0045</b>	<b>J</b>	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

### 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) 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
<b>Diesel Range Organics [C10-C28]</b>	<b>5.6</b>	<b>J</b>	6.4	2.5	mg/Kg	☼	07/18/24 08:38	07/18/24 23:07	1
<b>Oil Range Organics (C28-C35)</b>	<b>3.1</b>	<b>J B</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
<b>Chloride</b>	<b>16</b>	<b>J</b>	26	3.0	mg/Kg	☼		07/17/24 00:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids (EPA Moisture)</b>	<b>75.3</b>		0.01	0.01	%			07/18/24 14:50	1
<b>Percent Moisture (EPA Moisture)</b>	<b>24.7</b>		0.01	0.01	%			07/18/24 14:50	1

### 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

### 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

## 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

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## 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	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (67-130)	DBFM (77-127)	TOL (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

## Surrogate Legend

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

## Surrogate Legend

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 (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)

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

### 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

Eurofins Pensacola

### 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'**

**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			5.04 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'**

**Lab Sample ID: 400-259268-3 MS**

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 15:30	BPO	EET PEN

**Client Sample ID: MW-61 41'**

**Lab Sample ID: 400-259268-3 MSD**

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 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	

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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

**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 MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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 MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
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 Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
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 LCS		Limits
	%Recovery	Qualifier	
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 Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
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 MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	98		67 - 130
Dibromofluoromethane	100		77 - 127
Toluene-d8 (Surr)	96		76 - 127

### 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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier		Result	Qualifier						
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
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
<b>MS MS</b>										
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
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
<b>MSD MSD</b>												
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>									
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
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
<b>MB MB</b>										
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
a,a,a-Trifluorotoluene (fid)	101		65 - 125							
							<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>	
							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	Limits
Gasoline Range Organics (GRO) 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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO) 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	Limits	RPD	Limit
Gasoline Range Organics (GRO) 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 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		07/18/24 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 %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac				
o-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	Limits
Diesel Range Organics [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

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
Diesel Range Organics [C10-C28]	4.3	J	297	265		mg/Kg	⊛	87	62 - 150

	MS	MS	
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

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Diesel Range Organics [C10-C28]	4.3	J	300	249		mg/Kg	⊛	81	62 - 150	6	30

	MSD	MSD	
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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
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

Analyte	Spike	LCSD	LCSD	Unit	D	%Rec	Limits	RPD	Limit
		Result	Qualifier						
Chloride	99.8	103		mg/Kg		103	80 - 120	5	15

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### 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 <math>\leq</math> 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 <math><6\text{mm}</math> (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 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

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# ANALYTICAL REPORT

## PREPARED FOR

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

Generated 8/13/2024 4:49:51 PM

## JOB DESCRIPTION

Blanco Field North Flare

## JOB NUMBER

400-259523-1



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

Laboratory Job ID: 400-259523-1

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## 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.

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## 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) 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) 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) 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) 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) 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.

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## 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) 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) 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) 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.

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# 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

- 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 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

### 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

### 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

### 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

### 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

### 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
<b>Ethylbenzene</b>	<b>0.070</b>	<b>J</b>	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
<b>Xylenes, Total</b>	<b>0.20</b>	<b>J</b>	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
<b>Gasoline Range Organics (GRO) C6--C10</b>	<b>190</b>		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
<b>Diesel Range Organics [C10-C28]</b>	<b>89</b>		5.8	2.3	mg/Kg	☼	07/22/24 09:59	07/24/24 19:39	1
<b>Oil Range Organics (C28-C35)</b>	<b>15</b>		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
<b>Chloride</b>	<b>24</b>		23	2.7	mg/Kg	☼		07/20/24 20:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Percent Solids (EPA Moisture)</b>	<b>86.3</b>		0.01	0.01	%			07/22/24 11:41	1
<b>Percent Moisture (EPA Moisture)</b>	<b>13.7</b>		0.01	0.01	%			07/22/24 11:41	1

### 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

### 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

## 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.
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)

Eurofins Pensacola

# 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	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (67-130)	DBFM (77-127)	TOL (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

## Surrogate Legend

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)
400-259523-1	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

## Surrogate Legend

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
		(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 (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)

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

### 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

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 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

Eurofins Pensacola

### 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

### 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

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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 25'**

**Lab Sample ID: 400-259523-1 MS**

**Date Collected: 07/15/24 16:09**

**Matrix: Solid**

**Date Received: 07/19/24 10:08**

**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'**

**Lab Sample ID: 400-259523-1 MSD**

**Date Collected: 07/15/24 16:09**

**Matrix: Solid**

**Date Received: 07/19/24 10:08**

**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'**

**Lab Sample ID: 400-259523-2 DU**

**Date Collected: 07/15/24 16:21**

**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			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 MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
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 MB		Limits	Prepared		Analyzed		Dil Fac
	%Recovery	Qualifier						
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 LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				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 LCS		Limits
	%Recovery	Qualifier	
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 Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec	
	Result	Qualifier		Result	Qualifier				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 MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	102		67 - 130
Dibromofluoromethane	123		77 - 127
Toluene-d8 (Surr)	94		76 - 127

### 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	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	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
<b>MSD MSD</b>											
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>								
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO) C6--C10	0.050	U	0.10	0.050	mg/Kg		07/24/24 07:57	07/24/24 09:21	1
<b>MB MB</b>									
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>						
a,a,a-Trifluorotoluene (fid)	100		65 - 125						
							<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
							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	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier				Limits	
Gasoline Range Organics (GRO) C6--C10	1.00	0.924		mg/Kg		92	62 - 141	
<b>LCS LCS</b>								
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>					
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	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				Limits	
Gasoline Range Organics (GRO) C6--C10	2.7	J	54.5	57.7		mg/Kg	☼	106	10 - 150	
<b>MS MS</b>										
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>							
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	MSD Limits								
<i>o</i> -Terphenyl (Surr)	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	MB Limits	Prepared	Analyzed	Dil Fac				
<i>o</i> -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	LCS Limits								
<i>o</i> -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	MS Limits								
<i>o</i> -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

Surrogate	%Recovery	MSD Qualifier	MSD 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 Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
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 Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%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 Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	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 Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%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 Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	65	F1	107	149	F1	mg/Kg	☼	78	80 - 120	10	15

#### 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 Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Solids	81.7		82.0		%		0.4	10
Percent Moisture	18.3		18.0		%		2	

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### Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 400-259523-1

**Login Number: 259523**

**List Source: Eurofins Pensacola**

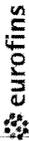
**List Number: 1**

**Creator: Pardonner, Brett**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> 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 <math><6\text{mm}</math> (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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

### Chain of Custody Record



Environment Testing

**Client Information**  
 Client Contact: Scott Stanley  
 Phone: 515-664-4602 (cell)  
 Company: Stantec Consulting Services Inc  
 Address: 11311 Aurora Avenue  
 City: Des Moines  
 State, Zip: IA, 50322-7904  
 Phone: 515-710-7523 (cell)  
 Email: steve.varsa@stantec.com  
 Project Name: Blanco Field North Flare Pit.00  
 Site: Blanco Field North Flare Pit.00

**Lab PM:** Whitmore, Cheyenne R  
**E-Mail:** Cheyenne.Whitmore@et.eurofins.com  
**Address:** 400-259523 COC or Tracking No(s): 400-131741-40933.1  
**State of Origin:** New Mexico  
**Page:** Page 1 of 1  
**Job #:** 193710670

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix (W=water, S=solid, O=wastefoil, BT=Issue, AA=Air)	Analysis Requested		Special Instructions
					8015B - DRO - DRO C10-C28 & ORO C28-C35	8026B - BTEX 8260	
SB-09 25'	7/15/24	1609	Grab	Solid	X	X	2
SB-09 34'	7/15/24	1621	Grab	Solid	X	X	2
SB-09 38'	7/15/24	1644	Grab	Solid	X	X	2
SB-09 44'	7/15/24	1706	Grab	Solid	X	X	2
SB-10 25'	7/16/24	1451	Grab	Solid	X	X	2
SB-10 30'	7/16/24	1512	Grab	Solid	X	X	2
SB-10 39'	7/16/24	1527	Grab	Solid	X	X	2
SB-10 42'	7/16/24	1552	Grab	Solid	X	X	2

**Preservation Codes:**  
 M - Hexane  
 N - None  
 O - AsNaO2  
 P - Na2O4S  
 Q - Na2SO3  
 R - Na2S2O3  
 S - H2SO4  
 T - TSP Dodecahydrate  
 U - Acetone  
 V - MCAA  
 W - pH 4-5  
 Y - Trizma  
 Z - other (specify)

**Other:**

**Special Instructions:**

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Mo

**Weight:** 10.00 LBS  
**Shipping:** SPECIAL: 0.00  
**Handling:** 0.00  
**Total:** 0.00

**Date:** 27 Jun 24  
**Ref:** S400-131741  
**Dep:** S400-131741  
**SVGS:** PRIORITY OVERNIGHT Mailer 7252 0544 3265  
**TRK:** 7252 0544 3265

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Unknown  Radiological  
 Deliverable Requested: I, II, III, IV, Other (specify)

**Empty Kit Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: Scott Stanley Date: 7-18-2024  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_

**Custody Seal No.:** \_\_\_\_\_  
 Δ Yes Δ No

**Ver:** 01/16/2019

## 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: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 446211
	Action Type: [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