



2021 ANNUAL GROUNDWATER MONITORING REPORT

San Juan River Gas Plant

NMOCD Incident No. NAUTOFRM000157

Prepared for:

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

Prepared by:

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

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2021 ANNUAL GROUNDWATER MONITORING REPORT**Abbreviations**

Bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
DTP	depth to product
DTW	depth to water
EPA	U.S. Environmental Protection Agency
EPNG	El Paso Natural Gas Company, LLC
LNAPL	light non-aqueous phase liquid
mg/L	milligrams per liter
MW	monitoring well
NMOCD	New Mexico Oil Conservation Division
NMWQCC	New Mexico Water Quality Control Commission
O&M	operations and maintenance
ORC	oxygen-releasing compound
PMW	Praxair monitoring well
SJRP	San Juan River (Gas) Plant
TDS	total dissolved solids
TPH	total petroleum hydrocarbons

2021 ANNUAL GROUNDWATER MONITORING REPORT**1.0 INTRODUCTION**

This Annual Groundwater Monitoring Report (Report) has been prepared on behalf of El Paso Natural Gas Company, LLC (EPNG) to present results of the 2021 groundwater monitoring activities at the San Juan River Gas Plant (SJRP, the Site). The Report also documents quarterly light non-aqueous phase liquid (LNAPL) recovery activities and monitoring well installation activities performed in July 2021.

The Site is currently regulated by the New Mexico Oil Conservation Division (NMOCD) and is located at 99 Road 6500, Kirtland, San Juan County, New Mexico. Annual groundwater sampling is typically conducted in the Autumn. The site location is shown in Figure 1, and the site plan is shown in Figure 2. The 2021 site activities were performed by Stantec Consulting Services, Inc. (Stantec), on behalf of EPNG.

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2.0 SITE BACKGROUND

2.1 SITE DESCRIPTION

The SJRP facility is located near Kirtland, New Mexico and was operated as a natural gas processing and distribution facility. The SJRP received natural gas from production wells located in the San Juan Basin of New Mexico and southern Utah. EPNG owned the SJRP until June 1992, when it was sold to Western Gas Resources, Inc., a subsidiary of Anadarko Petroleum Corporation. In May 2014, Western Gas Resources sold the facility to CCI San Juan, LLC, a subsidiary of Castleton Commodities International, LLC (CCI). CCI San Juan, LLC ceased operations at the SJRP in the Spring of 2020. EPNG retained responsibility for environmental impacts known to exist prior to its 1992 sale of the facility. The NMOCD manages EPNG's historical releases at the SJRP under Order AP-69.

The SJRP is a 630-acre facility that contains gas processing facilities, a sulfur recovery plant, water and hydrocarbon tanks, a pigging station, flare, and several 16- to 24-inch diameter natural gas pipelines that cross the facility. The facility also contained two raw water ponds and three wastewater evaporation ponds, which are now closed. Closure of the evaporation ponds, flare pits, and other potential contaminant source areas were completed from 1992 through 1995.

During 2002 and 2003, a Praxair nitrogen recovery plant was built on the northern portion of the SJRP, approximately 300 yards south of monitoring wells MW-8 and MW-9. The nitrogen plant includes a 3.7 million gallon, double synthetically lined evaporation pond (Praxair Pond) with a leak detection system that is used to evaporate cooling tower blowdown, compressor foundation storm water, and air compressor condensate. The storm water and condensate flow through an oil/water separator prior to discharging to the Praxair Pond. Due to issues with the integrity of the Praxair Pond leak detection system, Praxair ceased Pond operations from August 15, 2010, until July 13, 2012, as the Pond was partially rebuilt, and the leak detection system was repaired.

The areas surrounding the impacted portions of the Site are used for non-residential activities. Properties adjacent to the SJRP include undeveloped land to the north that is underlain by coal mining operations, a public golf course to the south, commercial and residential properties to the east, and surface and underground coal mining operations to the west and northwest. The extreme northwestern portion of SJRP, beginning westward from the Praxair Pond, has been mined for coal. The coal mining operations, which support the nearby San Juan Generating Station power plant (Station), are reportedly scheduled to cease in 2022, coinciding with a planned shutdown of coal combustion activities at the Station.

2.2 SITE HISTORY

In 1985, the NMOCD issued a directive for oil and gas producers to cease discharging production fluids to unlined surface impoundments (pits) located in the groundwater recharge areas of the San Juan Basin and major river drainages to the San Juan, Animas, and La Plata Rivers. Once discharge had ceased, producers were required to investigate and remediate soil and groundwater contamination caused by these pits. In response, several investigations and removal actions have been completed at the SJRP:

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- Multiple investigations were conducted at the SJRP between 1985 and 1995. During these investigations, 24 monitoring wells were installed at various locations at the Site.
- In 1992, the north and south flare pits were closed, and 18,200 cubic yards and 3,520 cubic yards of contaminated soil were removed from these flare pits, respectively. A former landfarm located southwest of the main production area is composed of the soil excavated from the north and south flare pits during their closure. On June 29, 1993, NMOCD granted closure of the flare pits with the condition that designated monitoring wells located downgradient of each former pit be monitored on an annual basis. The former wastewater evaporation ponds were closed during 1995 and 1996. The pit and pond closure activities included capping with compacted, low permeability soils. On June 17, 1997, NMOCD granted closure of the soil landfarm.

From 1995 through 1997, EPNG abandoned 17 monitoring wells (E-1B, E-1A, E-3, E-9, E-10, E-11, MW-1, MW-2, MW-3, P-2, P-5, P-6, P-7, P-8, P-9, P-10, and P-12), 2 wells were upgraded (W-2 and MW-4), and 5 new wells were installed (MW-5, MW-6, MW-7, MW-8, and MW-9). In addition, a soil gas investigation was performed. The results of the soil gas investigation indicated the presence of shallow hydrocarbon contamination near monitoring wells MW-8 and MW-9, which are in the northwestern portion of the SJRP facility.

- During January 2001, EPNG submitted a groundwater remediation work plan to NMOCD which addressed the elevated benzene concentrations in groundwater in monitoring wells MW-8 and MW-9. This work plan included provisions to install an air sparging system with two air sparging wells and one injection point located within 10 feet of each monitoring well. NMOCD gave approval to begin remediation activities in June 2001. The air sparging injection wells (SW-8 and SW-9) were installed during October 2001 and developed during November 2001. Following installation, a pre-pilot air sparging test was conducted at both wells. The results of the test indicated good communication between SW-9 and MW-9, but poor communication between SW-8 and MW-8. Due to poor communication between SW-8 and MW-8, magnesium peroxide oxygen-releasing compound (ORC) socks were used in MW-8 in lieu of air sparging. The air sparging system was installed near MW-9 and began operation on November 14, 2001.
- From February 2002 through December 2002, site activities consisted of continued operation and maintenance (O&M) of the air sparging system, and site-wide annual groundwater monitoring.
- In 2003, site activities included periodic O&M of the air sparging system, replacement of the ORC socks in MW-8, quarterly groundwater sampling of MW-8 and MW-9, and site-wide annual groundwater monitoring.
- Due to benzene, toluene, ethylbenzene, and xylenes (BTEX) concentrations in groundwater being below the New Mexico Water Quality Control Commission (NMWQCC) standards, the air sparging system was shut down in February 2004 to assess static groundwater conditions at the Site.

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- During 2004 through 2006, site activities included replacement of the ORC socks in MW-8, quarterly groundwater sampling of MW-8 and MW-9, and site-wide annual groundwater monitoring.
- EPNG submitted a Stage 1 Abatement Plan to NMOCD in November 2005 to investigate hydrocarbon impacts in groundwater adjacent to the Praxair water evaporation pond at the SJRP. NMOCD approved the Abatement Plan on January 23, 2006, and the investigative activities were completed in February 2006. A total of 15 soil borings (GPH-1 through GPH-15) were advanced, and 39 soil samples were collected and retained for laboratory analysis. Due to the shallow refusal depths encountered in weathered bedrock using direct-push methods, a revised work plan was submitted to NMOCD in September 2006. The revised work plan recommended further investigation be performed using hollow-stem auger methods. EPNG did not receive a formal response from NMOCD to the revised work plan.
- Monitoring well MW-7, located immediately adjacent to the Praxair facility, was plugged, and abandoned in May 2007 at the request of Praxair to accommodate new process construction at that location.
- During the May 2008 groundwater sampling event, it was observed that monitoring well MW-5 had been destroyed due to the subsurface coal mining activities near the western edge of the SJRP. The destruction of the well was determined to have occurred between February and May 2008.
- From May 2008 through the end of 2011, the environmental program at the SJRP consisted of remediation via the ORC socks in MW-8 and site-wide annual groundwater monitoring, as documented in annual reports.
- From 2013 through 2016, annual groundwater samples were collected from the existing site monitoring wells, which were documented in annual groundwater monitoring reports. In August 2016, a Site Characterization Work Plan was completed and submitted to NMOCD proposing additional assessment activities in the vicinity of the Praxair Pond and an area in the vicinity of a discharge pipe outfall to the north.
- In 2017, 19 soil borings (SB-01 through SB-19) were advanced as part of a site characterization investigation. Six monitoring wells (MW-11 through MW-16) were also advanced and completed. A total of 84 soil samples were collected and retained for laboratory analysis during advancement of the soil borings and monitoring wells. The results of the site characterization activities were documented in a November 2020 Site Characterization Report. Groundwater from the existing and newly installed monitoring wells, including existing Praxair monitoring wells, were sampled in July and November 2017. The 2017 groundwater sample data was presented in the 2017 Annual Groundwater Monitoring report.
- In 2018, groundwater samples were collected from the existing monitoring wells and Praxair monitoring wells, which was documented in the 2018 Annual Groundwater Monitoring Report. A Phase 2 Site Characterization Work Plan proposing additional investigation was completed in January 2019.

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- In March 2019, Phase 2 site characterization investigation activities were performed at the Site and included the advancement and installation of seven monitoring wells (MW-17 through MW-23) around the Historic Burn Area and near the Praxair Pond. Groundwater samples were collected in March and April 2019, and again in October 2019. The October 2019 groundwater sampling results were presented in the 2019 Annual Groundwater Report.

Separate from EPNG's investigation of the Site, Praxair advanced and installed five monitoring wells (PMW-1 through PMW-5) in July and August 1993, around the Praxair Pond, which was constructed in the location of the former EPNG raw water pond. Monitoring wells PMW-1 through PMW-4 were installed to depths ranging from 80 to 90 feet below ground surface (bgs). As perched groundwater was encountered during advancement of PMW-3, a shallow monitoring well, PMW-5, was installed in the same borehole. However, hydrocarbons were noted during advancement of the monitoring wells on the east side of the pond, and monitoring wells PMW-3 and PMW-5 were subsequently plugged and abandoned (MWH, 2006).

As a result of Praxair's reconstruction of their Pond, monitoring wells PMW-1 and PMW-4 were plugged and abandoned, and replacement monitoring wells PMW-1a and PMW-4a were installed in February 2010. PMW-1a was completed to a depth of 101 feet bgs, while the boring for PMW-4a was advanced to a depth of 210 feet bgs, and the well completed at a depth of 150 feet bgs. Information regarding the Praxair monitoring wells was provided in the 2020 Annual Report (Stantec, 2021).

2.3 GEOLOGY AND HYDROGEOLOGY

Philip Environmental (Philip Environmental, 1998) summarized the geology of the Site during their investigations. Based on drilling logs from 1995 and prior activities, the soils consist of fine sand to fine sandy clay, with some gravel and cobbles. The soil samples from borings located in the valley or alluvial fans (such as P-10, P-7, P-9, MW-5, MW-8, and MW-9) consist of fine sand to clay.

The uppermost and most prevalent lithology at the Site is comprised of alluvial sediments, which consist of fluvial deposits and, to a lesser extent, terrace deposits of gravel and cobbles. Beneath the alluvium are the consolidated sedimentary units of the Kirtland Formation, which includes both shale and sandstone members. The portion of the Site to the north of the gas plant is underlain by a shale member of the Kirtland Formation. The SJRP and Flare Hill, located on the west edge of the SJRP, are underlain by a sandstone member of the Kirtland Formation. During remediation of the South Flare Pit in September 1992, a distinct clay layer was encountered at a depth of approximately 15 feet below the original bottom of the pit.

During the 2006 investigation (MWH, 2006) using direct-push technology ground penetration methods, refusal was met in hard shale, siltstone, a silty sand mix, and sandstone at interval depths of 8 to 15 ft bgs. Lithology generally changed from a clay soil near the surface to alternating weathered shale and sandstone. This interpretation was considered consistent with previous assessments of the geology, and it was reported that most of the soil borings met refusal in what was likely the Kirtland Formation.

During the 2017-2019 site characterization investigation (Parsons, 2020), alluvium consisting of silt and clay was encountered and varied in thickness from 10 feet to as

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much as 41 feet. Alluvium was underlain by sandstone in 2 of 7 boreholes and by shale in 5 of 7 boreholes. The geological assessment performed during the 2017-2019 site investigation was reported to be consistent with the results summarized in the 1998 Philip Environmental and 2006 MWH investigations.

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3.0 FIELD ACTIVITIES

Stantec conducted annual groundwater monitoring at the SJRP site in November 2021. LNAPL recovery activities were completed during the November groundwater sampling mobilization and during separate events in March, May, and August 2021. Stantec provided field work notifications via email to the NMOCD prior to initiating field activities at the site. Copies of the 2021 NMOCD notifications are provided in Appendix A.

The following sections summarize the activities conducted during 2021.

3.1 WELL INSTALLATION ACTIVITIES

In July 2021, three additional monitoring wells (MW-24, MW-25, and MW-26) were installed at the Site to further assess the presence of hydrocarbons in soil and groundwater in the vicinity of monitoring well MW-20. The planned monitoring well locations were staked for permitting and utility locating purposes prior to completing public 811 locating activities. Well installation permits for the new monitoring wells were also obtained from the New Mexico Office of the State Engineer (NMOSE).

Unless otherwise noted below, the monitoring well advancement and installation activities were completed in accordance with the June 28, 2021, *Monitoring Well Installation Work Plan*. Monitoring wells MW-24 through MW-26 were advanced in July 2021, to further characterize the extent of the hydrocarbons at the Site. Following advancement to the target depth, monitoring wells MW-24 through MW-26 were installed. Ground surface and casing elevations of the new monitoring wells were subsequently surveyed by a licensed surveyor using state plane coordinates.

The monitoring wells were constructed of 4-inch-diameter, Schedule 40 polyvinyl chloride (PVC), with 0.010-inch, continuous, factory-slotted PVC screen. Monitoring well MW-24 was set with 25 feet of screen from 21 to 46 feet bgs, monitoring well MW-25 was set with 30 feet of screen from 21 to 51 feet bgs, and monitoring well MW-26 was set with 35 feet of screen from 20 to 55 feet bgs. The monitoring wells were installed at depths that bisected the field-observed or expected water table. A 3-foot seal of bentonite chips was placed above the sand pack and hydrated, and the remaining annular space filled with bentonite grout. Monitoring well MW-24 was completed as a stick-up well with locking protective casing, concrete surface completion, and protective bollards. Monitoring wells MW-25 and MW-26 were installed with traffic-rated, at-grade completions. The borehole logs and well construction diagrams are provided in Appendix B. The NMOSE well completion forms are included as Appendix C.

During advancement of each monitoring well, at least one soil sample was retained above the field-interpreted water table and placed in a 4-ounce jar for laboratory analysis. For MW-24 and MW-25, one and two additional soil samples, respectively, were retained for laboratory analysis. For MW-25 and MW-26, one additional soil sample was also retained to evaluate suspected hydrocarbon impacts that may be present below the field-apparent water table. The retained sample jars were stored in an ice-filled cooler and shipped under chain-of-custody protocols to Eurofins-TestAmerica Laboratories, in Pensacola, Florida (Eurofins). The soil samples were analyzed for BTEX using EPA Method 8260C; Total Petroleum Hydrocarbons (TPH) (GRO, DRO, and ORO)

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using Method 8105D; chloride using Method 300.0; and New Mexico Water Quality Control Commission metals using Methods 6010B and 7471A.

Following installation, the monitoring wells were developed using a well swab and down-hole pump until visibly clear groundwater was observed. Development and decontamination water were containerized and transported to Basin Disposal, Inc. (Basin) in Bloomfield, NM for disposal. A copy of the wastewater disposal documentation is included as Appendix D. Soil cuttings were containerized in a lined roll off and staged on site for later removal and disposal at Envirotech, Inc. (Envirotech) soil landfarm, located south of Bloomfield, New Mexico. Envirotech's soil disposal documentation is contained in Appendix E.

3.2 DEPTH TO WATER MEASUREMENTS

Site-wide groundwater gauging activities were performed on November 8, 2021, with twenty-one (21) EPNG monitoring wells accessed and gauged. Well gauging was completed using an oil-water interface probe, and depth to water (DTW) and depth to product (DTP), as applicable, were measured at each of the accessed monitoring wells. The Praxair wells PMW-1a, PMW-2, and PMW-4a were padlocked and not accessed. Measurable light non-aqueous phase liquid (LNAPL) was present in monitoring wells MW-20 (0.04 foot) and MW-21 (0.05 foot), respectively. A trace amount of LNAPL was also found to be present in monitoring well MW-12.

3.3 LNAPL RECOVERY

Quarterly LNAPL recovery activities were initiated at the Site beginning in August 2020, and were performed in March, May, August, and November 2021. The LNAPL recovery data is summarized on Table 1. During the groundwater sampling site visit in November 2021, the recovered LNAPL was disposed of with wastewater generated during the monitoring well sampling activities. Recovered LNAPL from the March, May, and August site visits were also transported for disposal at Basin (Appendix D).

3.4 GROUNDWATER SAMPLING

Following collection of gauging data on November 8, 2021, groundwater samples were collected from the EPNG monitoring wells containing a sufficient amount of water to sample, and from those with no LNAPL. Groundwater samples were obtained using HydraSleeve samplers. Monitoring wells W-2, MW-4, MW-6, MW-8, MW-9, MW-11, MW-13 through MW-16, MW-18, MW-19, MW-22, and MW-24 through MW-26, were sampled. Monitoring wells MW-17 and MW-23 did not contain sufficient water to obtain a sample. Monitoring wells MW-12, MW-20, and MW-21 contained LNAPL. Stantec installed new HydraSleeves in those wells sampled in November 2021 to facilitate future groundwater sampling at these locations. Groundwater samples were placed into laboratory-supplied sample containers, packed on ice, and shipped under standard chain-of-custody protocols to Eurofins, located in Pensacola, Florida. One laboratory-supplied trip blank, and two blind field duplicate samples were also collected during the sampling event. Groundwater samples were analyzed for BTEX using U.S. Environmental Protection Agency (EPA) Method 8260B, NMWQCC dissolved metals using Method SW-6010B, dissolved mercury using Method SW-7470A, alkalinity using Method SM-2320B; chloride, sulfate, and nitrate using Method E300.0, and total dissolved solids (TDS) using Method

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SM-2540C. Samples collected for dissolved metals analysis were field filtered using 0.45-micron filters, prior to sample preservation and shipment to the laboratory.

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

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

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4.0 RESULTS AND DISCUSSION

4.1 SOIL SAMPLE RESULTS

Soil analytical data were evaluated against the NMOCD guidelines for remediation of leaks, spills, and releases (NMOCD Guidelines, 1993) and the New Mexico Industrial/Occupational Soil Screening Levels (SSLs, NMED, 2019). Soil analytical results are summarized in Table 2. Laboratory analytical reports are provided in Appendix F. Soil samples with exceedances of applicable NMOCD Guidelines or NMED SSLs are depicted on Figure 3.

As summarized on Table 2, concentrations of benzene, total BTEX, and chlorides in soil samples collected during advancement of monitoring wells MW-24 through MW-26 did not exceed applicable NMOCD Guidelines. The concentrations of TPH in one soil sample (MW-26, 49-51 feet) did exceed the applicable NMOCD Guideline, although this soil sample was later determined to have been collected below the water table. Concentrations of TPH did not exceed the applicable NMOCD Guidelines in the remaining soil samples analyzed. Concentrations of toluene, ethylbenzene, xylenes, or any of the fourteen metals analyzed did not exceed applicable NMED SSLs.

4.2 GROUNDWATER ELEVATION AND GRADIENT

Groundwater elevation data is summarized on Table 3. Groundwater elevations determined from the November 8, 2021 gauging event indicate the apparent groundwater flow direction across the Site is generally to the southwest in the vicinity of the Praxair Plant and southward, and to the west and northwest north of the Praxair Plant. As noted in previous reports, a groundwater divide is located beneath the SJRP. A groundwater elevation contour map is included as Figure 4.

As noted, monitoring wells MW-17 and MW-23 were found to be dry during the November 2021 gauging event. Monitoring well MW-23 is located in the area where underground coal mining has occurred and settling related to the mining activities may have affected groundwater levels in this area.

4.3 GROUNDWATER ANALYTICAL RESULTS

Tables 4 and 5 summarize the historical and 2021 groundwater analytical results. Figure 5 summarizes BTEX analyte concentrations in groundwater. Figures 6 and 7 summarize dissolved metals and inorganic analyte results, respectively, in groundwater for those analytes that exceeded the NMWQCC standards during the 2021 sampling event. The laboratory analytical reports are included as Appendix G.

- LNAPL was observed in MW-12, MW-20, and MW-21 during the 2021 annual groundwater sampling event; therefore, groundwater samples were not collected from these wells. Additionally, an insufficient amount of water was present in MW-17 and MW-23 for collecting groundwater samples from these locations in November 2021.
- Groundwater samples collected from monitoring wells MW-9, MW-13, MW-15, MW-16, and MW-26 exceeded the NMWQCC standard (0.010 milligrams per

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liter[mg/L]) for benzene in groundwater. Benzene concentrations were either below the standard or not detected in the remaining monitoring wells sampled in 2021.

- Concentrations of toluene were either below the NMWQCC standard (0.75 mg/L) or not detected in the monitoring wells sampled in 2021.
- Concentrations of ethylbenzene were either below the NMWQCC standard (0.75 mg/L) or not detected in the monitoring wells sampled in 2021.
- The groundwater sample collected from MW-16 exceeded the NMWQCC standard (0.62 mg/L) for total xylenes in groundwater. Concentrations of total xylenes were either below the standard or not detected in the remaining monitoring wells sampled in 2021.
- Dissolved metal concentrations that equaled or exceeded an NMWQCC standard in November 2021 include those for: aluminum (MW-6 and MW-9 [NMWQCC standard of 5 mg/L]); boron (MW-4, MW-6, MW-9, MW-14, MW-15, MW-16, MW-18, MW-19, MW-24, and MW-26 [NMWQCC standard of 0.75 mg/L]); cadmium (MW-19 [NMWQCC standard of 0.01 mg/L]); cobalt (MW-6, MW-9, MW-18, and MW-19 [NMWQCC standard of 0.05 mg/L]); iron (MW-4, MW-9, MW-11, MW-13, MW-15, MW-18, and MW-22 [NMWQCC standard of 1 mg/L]); manganese (MW-4, MW-6, MW-8, MW-9, MW-11, MW-13, MW-14, MW-15, MW-18, MW-19, MW-22, MW-24, MW-25, and MW-26 [NMWQCC standard of 0.2 mg/L]); nickel (MW-4, MW-6, MW-9, and MW-18 [NMWQCC standard of 0.2 mg/L]); and selenium (W-2 and MW-6 [NMWQCC standard of 0.05 mg/L]).
- Inorganic constituent concentrations that exceeded an NMWQCC standard in November 2021 include those for: chloride (MW-4, MW-6, MW-8, MW-9, MW-13, MW-15, MW-16, MW-18, MW-22, MW-24, MW-25, and MW-26 [NMWQCC standard of 250 mg/L]); sulfate (W-2, MW-4, MW-6, MW-8, MW-9, MW-11, MW-13 through MW-16, , MW-18, MW-19, MW-22, and MW-24 through MW-26 [NMWQCC standard of 600 mg/L]); and TDS (W-2, MW-4, MW-6, MW-8, MW-9, MW-11, MW-13 through MW-16, , MW-18, MW-19, MW-22, and MW-24 through MW-26 [NMWQCC standard of 1,000 mg/L]).
- Field duplicates were collected from MW-9 and MW-26 during the November 2021 sampling event. No significant differences were noted between the primary and the duplicate samples.
- Detectable concentrations of BTEX constituents were not reported in the trip blank submitted for analysis.

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Annual groundwater monitoring of EPNG monitoring wells is planned for the fourth calendar quarter of 2022. Groundwater samples will be collected from monitoring wells not containing LNAPL. If encountered while on-site, LNAPL will be hand-bailed, and recovered fluids transported to Basin for disposal.

The groundwater samples collected in 2022 will be submitted for laboratory analysis of BTEX constituents using EPA Method 8260. Groundwater samples will also be submitted for analysis of dissolved NMWQCC metals using Method SW-6010B, dissolved mercury using Method SW-7470A, alkalinity using Method SM-2320B; chloride, sulfate, and nitrate using Method E300.0, and TDS using Method SM-2540C, as available well volumes allow. Field duplicates and a trip blank will also be submitted for analysis during the groundwater sampling event.

Monitoring of for LNAPL will continue on a quarterly basis in 2022 from monitoring wells MW-12, MW-20, and MW-21. If encountered, LNAPL will be manually removed.

Further delineation or assessment of hydrocarbons at the Site will be proposed under separate cover. The activities completed in 2022 and their results will be summarized in the 2022 Annual Report, to be submitted by April 1, 2023.

2021 ANNUAL GROUNDWATER MONITORING REPORT**6.0 REFERENCES**

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TABLES



Table 1
LNAPL Recovery Summary
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Well ID - MW-20	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
3/11/2019	38.7	40.02	1.3	N/A	N/A	N/A
4/15/2019	34.3	35.47	1.2	N/A	N/A	N/A
10/14/2019	26.5	26.71	0.2	N/A	N/A	N/A
8/20/2020	26.98	28.18	1.20	0.69	24.1	MDPE*
11/15/2020	27.72	28.51	0.79	0.42	0.37	Manual
3/17/2021	24.37	24.50	0.13	0.20	0.53	Manual
5/20/2021	27.00	27.08	0.08	<0.01	0.05	Manual
8/29/2021	27.37	27.41	0.04	0.02	0.37	Manual
11/8/2021	27.19	27.23	0.04	0.02	0.30	Manual
			Total:	1.35	25.72	
Well ID - MW-21	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
11/8/2021	28.63	28.68	0.05	0.01	0.27	Manual
			Total:	0.01	0.27	

Notes:

* = Includes calculated recovered hydrocarbon vapors.

gal = gallons.

LNAPL = Light non-aqueous phase liquid.

MDPE = Mobile Dual-Phase Extraction.

N/A = Not attempted.

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

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	SB-01	SB-02			SB-03			SB-04			SB-05			
			1-2 ft bgs	1-2 ft bgs	13-14 ft bgs	18-19 ft bgs	1-2 ft bgs	10-11 ft bgs	13-14 ft bgs	1-2 ft bgs	14-15 ft bgs	19-20 ft bgs	1-2 ft bgs	10-11 ft bgs	15-16 ft bgs	29-30 ft bgs
		Sample Date	4/19/2017	4/19/2017	4/12/2017	4/12/2017	4/20/2017	4/11/2017	4/11/2017	4/17/2017	4/11/2017	4/11/2017	4/18/2017	4/12/2017	4/12/2017	4/12/2017
Volatile Organic Compounds																
Benzene	87.2	10	<0.00078	<0.000752	<0.000652	0.00097 J	<0.000592	2.59	1.99	<0.000695	<0.000758	0.0048 J	<0.000754	6.12	3.19	0.0381 J
Toluene	61,110	NE	<0.00171	<0.00165	<0.00143	<0.00134	<0.0013	<0.0729	15.1	<0.00152	<0.00166	<0.00146	<0.00165	<1.18	17.3	0.0115 J
Ethylbenzene	365	NE	<0.00126	<0.00122	<0.00106	<0.000989	<0.000959	3.2	2.73	<0.00113	<0.00123	<0.00108	<0.00122	8.23	7.63	0.00351 J
Xylenes, Total	4,237	NE	<0.0014	<0.00135	<0.00117	<0.0011	<0.00106	5.36	38.4	<0.00125	<0.00136	<0.0012	<0.00135	97.9	116	0.0258 J
Total BTEX	NE	50 ³	<0.00171	<0.00165	<0.00143	0.00097 J	<0.0013	11.15	58.22	<0.00152	<0.00166	0.0048 J	<0.00165	112.25	144.12	0.07891 J
Anions																
Chloride	NE	600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Aluminum	1,285,451	NE	12,900	10,800	15,800	14,000	10,100	14,900	11,500	13,900	16,900	8,700	14,200	12,700	11,500	15,000
Arsenic	35.88	NE	4.06	3.26	4.16	3.1	3.59	14.5	23.6 J	3.95	3.6	15.1	60.4	15	3.21	4.35
Boron	259,431	NE	3.74 J	4.46 J	1.43 J	0.791 J	1.74 J	1.66 J	1.32 J	2.08 J	1.66 J	2.72 J	55.4	1.63 J	0.551 J	1.72 J
Barium	254,671	NE	137	109	27.7	66.3	72.2	74	45.6	147	58.7	130	121	33.3	60.4	182 J
Calcium	40,555,556	NE	13,900	21,600	2,340	2,250	6,510	3,170	2,310 J	13,800	10,300	6,280	3,240	3,720	3,030	3,000 J
Cadmium	1,108	NE	0.187 J	0.157 J	0.114 J	0.139 J	0.144 J	0.0862 J	<0.0286	0.182 J	0.28	<0.0304	28.1	0.353	0.161 J	0.0876 J
Cobalt	388	NE	10	7.22	13.5	12.4	6.43	10.1	4.8	8.16	11.7	7.64	63.4	8.65	12.4	11.5
Chromium	504.62	NE	6.19	24	7.39	6.39	5.75	6.49	5.56	7.17	16.1	4.63	7.8	6.85	5.53	4.49
Iron	908,444	NE	18,300	13,400	19,700	19,000	14,000	24,200	18,300	16,800	27,800	20,800	18,800	28,500	31,000	15,400
Potassium	76,244,444	NE	1,500	1,280	1,540	1,160	1,210	1,730	1,280	1,680	1,460	1,140	2,020	2,000	1,180	1,460
Mercury	111	NE	0.0185 J	0.0175 J	0.0234	0.0185 J	0.0148 J	0.0415	0.0205 J	0.0113 J	0.0279	0.0589	0.0354	0.035	0.0181 J	0.0299
Magnesium	5,677,778	NE	4,090	3,620	3,920	3,620	3,580	3,630	2,920	4,600	6,280	1,510	4,760	3,300	3,120	2,940
Manganese	160,183	NE	475	906	105	120	110	88.1	53.7	512	327	61.2	119	138	139	140 J
Molybdenum	6,489	NE	1.33	1.18	1.55	0.668	0.556	2.39	0.882	1.06	2.25	3.21	2.6	3.34	1.3	<0.584
Sodium	37,311,111	NE	7,770	9,090	4,560	3,830	13,800	8,460	6,640	10,400	3,270	5,650	10,500	9,290	5,680	11,600
Nickel	25,682	NE	10.2	8.6	16.1	12.9	7.07	11.6	5.3	11	20.5	15	7.71	15.3	13.3	14.4
Lead	NE	NE	29.2	13.2	13.8	10.3	9.85	20.8	14.9	9.99	14.4	21.8	73.3	23.2	13.2	13.7
Selenium	6,489	NE	0.453 J	0.375 J	<0.311	<0.289	<0.266	0.548 J	<0.289	0.339 J	<0.273	0.873 J	56.6	<0.29	<0.298	<0.302
Total Petroleum Hydrocarbons																
Gasoline Range Organics [C6-C10]	500	100	<3.65	<3.42	<3.49	<3.31	<3.02	24.2	746	<3.26	<2.89	<3.01	<3.41	1,110	653	<3.36
Diesel Range Organics [C10-C28]	3,000	100	<3.07	<2.93	4.1 J	<2.85	<2.77	0.463	25.8	4.51 J	3.01 J	3.19 J	6.66	337	147	<2.9
Oil Range Organics [C24-C40]	3,000	100	<6.14	<5.91	13.9	4.41 J	<5.53	0.059 J	4.37 J	4.72 J	7.32	8.77	5.76 J	6.17 J	3.27 J	3.03 J
Total Petroleum Hydrocarbons	NE	100	0	0	18.0	4.41	0	24.7	776.2	9.23	10.33	11.96	12.42	1,453	803	3.03

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	SB-06					SB-07			SB-08			SB-09		
			1-2 ft bgs	10-11 ft bgs	13-14 ft bgs	18-19 ft bgs	25-26 ft bgs	1-2 ft bgs	14-15 ft bgs	20-21 ft bgs	1-2 ft bgs	13-14 ft bgs	29-30 ft bgs	1-2 ft bgs	9-10 ft bgs	12-13 ft bgs
		Sample Date	4/4/2017	4/11/2017	4/11/2017	4/11/2017	4/11/2017	4/20/2017	4/10/2017	4/10/2017	4/18/2017	4/11/2017	4/11/2017	3/30/2017	3/28/2017	3/28/2017
Volatile Organic Compounds																
Benzene	87.2	10	<0.000783	<0.000609	<0.000752	0.472	<0.000793	<0.000699	<0.000894	<0.00072	<0.000734	26.8	4.25	<0.000673	<0.000626	<0.000578
Toluene	61,110	NE	<0.00172	<0.00133	0.00201 J	0.942	0.00256 J	<0.00153	<0.00196	<0.00158	<0.00161	0.237 J	1.23	<0.00147	<0.00137	<0.00127
Ethylbenzene	365	NE	<0.00127	<0.000986	<0.00122	0.934	<0.00128	<0.00113	0.0088	0.00175 J	<0.00119	50.1	1.37	<0.00109	<0.00101	<0.000936
Xylenes, Total	4,237	NE	<0.0014	0.00314 J	0.00482 J	11.8	0.00423 J	<0.00125	0.0091	<0.00129	<0.00132	528	11.4	<0.00121	<0.00112	<0.00104
Total BTEX	NE	50 ³	<0.00172	0.00314 J	0.00683 J	14.148	0.00679 J	<0.00153	0.0179	0.00175 J	<0.00161	605.137	18.25	<0.00147	<0.00137	<0.00127
Anions																
Chloride	NE	600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Aluminum	1,285,451	NE	13,300	11,900	15,300	13,100	13,500	11,400	15,600	19,000	14,300	14,600	16,300	10,300	12,100	3,780
Arsenic	35.88	NE	4.09	14.6	3.91	39.4	2.73	3.33	7.09 J	6.44	5.17	6.5	6.4	2.66	6.85	1.51
Boron	259,431	NE	2.29 J	1.3 J	2.05 J	1.31 J	2.03 J	5.8 J	0.999 J	1.94 J	<0.473	2.59 J	2.36 J	1.47 J	2.28 J	0.779 J
Barium	254,671	NE	112	86.5	174	95.5	77.1	187 J	436	50.8	80.6 J	47.7	95.1	78.9	74.3	240
Calcium	40,555,556	NE	16,200	4,100	3,940	4,790	3,440	14,900 J	5,660	2,230	2,770 J	5,990	4,120	3,910	3,250	5,770
Cadmium	1,108	NE	0.214 J	0.415	0.113 J	0.261	0.155 J	0.145 J	0.345	0.149 J	0.129 J	0.446	0.0781 J	0.899	<0.0312	<0.0273
Cobalt	388	NE	7.68	8.37	9.5	10.8	8.88	6.81	11.1	9.59	6.78	12	12.1	6.59	6.94	3.27
Chromium	504.62	NE	6.91	8.63	7.58	5.97	5.22	14.8	8.01	8.39	7.47	13.5	5.39	4.59	7.95	3.13
Iron	908,444	NE	16,000	31,100	18,800	23,800	19,200	14,700	27,400	23,500	21,900	28,700	19,200	14,600	14,900	7,890
Potassium	76,244,444	NE	1,480	1,410	1,470	1,220	1,240	1,530	1,230	1,780	1,560	1,720	1,400	1,420	1,910	296
Mercury	111	NE	<0.00391	0.0313	0.0281	0.0161 J	0.0199	<0.00419	0.0327	0.0294	0.00663 J	0.053	0.0332	0.0157 J	0.0387	<0.00412
Magnesium	5,677,778	NE	4,610	2,870	3,670	3,210	3,310	3,980	3,720	4,500	4,460	3,480	2,920	3,360	3,790	2,270
Manganese	160,183	NE	767	132	122	136	150	538 J	204	140	73	288	122	292	101	203
Molybdenum	6,489	NE	0.849	3.2	0.955	0.98	0.983	<0.58	2.91	1.92	0.753	5.4	2.58	0.468 J	1.41	0.555
Sodium	37,311,111	NE	6,320	4,020	5,320	4,750	7,340	5,580	2,930	6,210	17,400	5,170	9,990	9,510	4,280	820
Nickel	25,682	NE	10.2	14	12.2	14.6	10.4	8.05	29.6	15.2	9.19	32.5	17.1	15.9	8.7	3.11
Lead	NE	NE	9.58	17	15.8	11.1	14.4	13.3	13.6	17.1	19.5	17.2	20.8	10.8	17.1	3.03
Selenium	6,489	NE	<0.299	<0.256	<0.325	<0.27	<0.268	<0.3	<0.259	0.512 J	<0.318	0.881 J	<0.289	0.305 J	0.87 J	<0.276
Total Petroleum Hydrocarbons																
Gasoline Range Organics [C6-C10]	500	100	<2.46	217	<3.7	79.7	<3.03	<3.31	<2.84	<3.22	<3.8	1,750	<3.21	<2.37	<2.17	<2.46
Diesel Range Organics [C10-C28]	3,000	100	<2.87	110	33	<2.84	<2.82	<2.88	3.55 J	19.9	5.27 J	390	3.64 J	4.84 J	3.37 J	<2.81
Oil Range Organics [C24-C40]	3,000	100	4.07 J	4.25 J	5.02 J	4.24 J	4.73 J	<5.77	6.05	9.47	4.59 J	28	7.14	4.74 J	<3.15	<2.81
Total Petroleum Hydrocarbons	NE	100	4.07	331	5.02	83.9	4.73	0	9.6	29.4	9.86	2,168	10.78	9.58	3.37	0

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	SB-10				SB-11				SB-12		SB-12	SB-13		
			1-2 ft bgs	10-11 ft bgs	21-22 ft bgs	31-32 ft bgs	1-2 ft bgs	17-18 ft bgs	27-28 ft bgs	29-30 ft bgs	1-2 ft bgs	19-20 ft bgs	25-26 ft bgs	1-2 ft bgs	14-15 ft bgs	18-19 ft bgs
		Sample Date	3/28/2017	3/27/2017	3/27/2017	3/27/2017	4/20/2017	3/31/2017	3/31/2017	3/31/2017	4/20/2017	4/10/2017	4/10/2017	4/4/2017	4/5/2017	4/5/2017
Volatile Organic Compounds																
Benzene	87.2	10	<0.000838	<0.000574	0.763 J	0.00174 J	<0.000625	13.4	1.34	2.53	<0.000739	0.252 J	0.028	<0.000683	<0.000643	<0.000602
Toluene	61,110	NE	<0.00184	<0.00126	<0.0672	<0.00154	<0.00137	<0.665	<0.0612	0.145 J	<0.00162	<0.0687	0.00826	<0.0015	<0.00141	<0.00132
Ethylbenzene	365	NE	<0.00136	<0.000929	2.53 J	<0.00114	<0.00101	39.6	1.41	0.617	<0.0012	1.04 J	0.0121	<0.00111	<0.00104	<0.000974
Xylenes, Total	4,237	NE	0.0117 J	<0.00103	7.96 J	<0.00126	<0.00112	199	5.48	5.98	<0.00133	7.29 J	0.105	<0.00122	<0.00115	<0.00108
Total BTEX	NE	50 ³	0.0117 J	<0.00126	11.253 J	0.00174 J	<0.00137	252	8.23	9.272	<0.00162	8.582	0.15336	<0.0015	<0.00141	<0.00132
Anions																
Chloride	NE	600	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals																
Aluminum	1,285,451	NE	14,000	11,100	11,500	13,500	12,500 J	8,280	12,000	10,000	13,800	19,900	17,200	16,600	8,980	6,590
Arsenic	35.88	NE	2.13	4.73	5.98	7.29	4.01	5.43	1.53	2.35	4.04	3.67	4.4	7.2	<1.23	<2.41
Boron	259,431	NE	2 J	1.3 J	1.65 J	1.76 J	1.1 J	2.38 J	1.69 J	1.63 J	2.17 J	2.29 J	2.13 J	2.86 J	5.09 J	3.81 J
Barium	254,671	NE	83.2	40.3	56.2	60.8	101 J	294	116	56.7	81.1	134	126	27	85.8	70.6
Calcium	40,555,556	NE	6,730	7,210	6,150	2,600	12,700 J	3,890	12,300	6,880	970	2,330	5,410	11,800	3,970	40,800
Cadmium	1,108	NE	0.2 J	0.141 J	<0.0275	<0.0246	0.237 J	0.319	0.367	0.256 J	0.293	0.0969 J	0.158 J	0.298	0.434	0.309
Cobalt	388	NE	18.1	11.9	11.1	21.2	16.7	8.68	10.7	8.93	7.74	7.36	12	30.8	11	16.2
Chromium	504.62	NE	6.97	8.85	5.86	4.9	6.64	3.04	4.34	4.1	6.18	8.93	7.38	6.98	3.89	3.2
Iron	908,444	NE	17,500	25,700	26,000	26,500	20,100	17,600	13,400	16,800	16,800	22,400	24,300	32,600	13,800	6,600
Potassium	76,244,444	NE	1,530	1,250	1,300	1,500	1,260	1,100	1,280	1,230	1,480	1,800	1,550	1,040	1,380	886
Mercury	111	NE	0.0262	0.0353	0.027	0.0188	0.0325 J	0.083	0.0216	0.00521 J	0.0416 J	0.0293	0.0223	0.0164 J	0.00843 J	<0.00374
Magnesium	5,677,778	NE	3,830	4,280	3,130	3,680	3,280	1,840	3,470	3,620	4,170	4,780	4,750	3,380	3,640	2,110
Manganese	160,183	NE	338	275	101	150	332	77.1	341	144	298	139	219	321	160	2,680
Molybdenum	6,489	NE	0.537 J	1.77	1.77	5.04	0.301 J	3.04	<0.149	0.66	<0.52	1.01	2.78	2.89	2.57	0.479 J
Sodium	37,311,111	NE	12,100	3,480	5,210	9,230	5,410	2,910	5,750	7,630	14,900	7,790	9,150	4,380	2,300	752
Nickel	25,682	NE	20.7	21.5	10.4	23.8	11.1	16.3	13.9	11.2	11.2	11.3	14.9	24.2	7.96	14.5
Lead	NE	NE	11.2	14.1	13.5	15	17.6	16.8	14.4	13.7	20.5	16.2	12.9	11.4	14.7	6.3
Selenium	6,489	NE	<0.323	<0.292	<0.278	0.322 J	0.43 J	0.936 J	<0.284	<0.283	0.376 J	<0.264	<0.273	<0.281	<0.293	<0.286
Total Petroleum Hydrocarbons																
Gasoline Range Organics [C6-C10]	500	100	<2.34	105	136	<3.14	<3	1,890	<2.22	<2.47	<3.52	279	<3.05	<2.22	<2.22	<2.48
Diesel Range Organics [C10-C28]	3,000	100	<3.02	8.22	25.2	7.82	<2.73	565	44.3	36	<2.98	32.4	6.37	<2.73	3.9 J	2.76 J
Oil Range Organics [C24-C40]	3,000	100	3.27 J	3.22 J	4.71 J	8.89	<5.46	9.2	8.94	9.95	<5.95	4.79 J	10.1	4.78 J	7.15	5.55
Total Petroleum Hydrocarbons	NE	100	3.27	116.44	165	16.71	0	2,464	53.2	50	0	316	16.5	4.78	11.1	8.31

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	SB-14					SB-15	SB-15		SB-16		
			1-2 ft bgs	13-14 ft bgs	18-19 ft bgs	31-32 ft bgs	37-38 ft bgs	1-2 ft bgs	14-15 ft bgs	19-20 ft bgs	1-2 ft bgs	14-15 ft bgs	20-21 ft bgs
		Sample Date	4/4/2017	3/31/2017	3/31/2017	3/31/2017	3/31/2017	4/17/2017	4/10/2017	4/10/2017	4/20/2017	4/10/2017	4/10/2017
Volatile Organic Compounds													
Benzene	87.2	10	<0.000674	0.00109 J	0.358	2.82	0.0161	<0.000691	<0.000551	<0.000634	<0.000909	<0.00056	<0.000537
Toluene	61,110	NE	<0.00148	<0.00145	<0.0685	<0.0679	0.014	<0.00151	<0.00121	<0.00139	<0.00199	<0.00123	<0.00118
Ethylbenzene	365	NE	<0.00109	0.0192	2.4	1.85	0.0338	<0.00112	<0.000892	<0.00103	<0.00147	<0.000906	<0.000869
Xylenes, Total	4,237	NE	<0.00121	0.0872	1.68	15	0.263	<0.00124	<0.000989	<0.00114	<0.00163	<0.001	<0.000963
Total BTEX	NE	50 ³	<0.00148	0.10749	4.438	19.67	0.3269	<0.00151	<0.00121	<0.00139	<0.00199	<0.00123	<0.00118
Anions													
Chloride	NE	600	--	--	--	--	--	--	--	--	--	--	--
Metals													
Aluminum	1,285,451	NE	13,400	14,000	10,500	11,800	12,800	13,900	17,000	13,700	12,900	13,900	13,800
Arsenic	35.88	NE	4.97	4.1	42.9	1.49	3.55	4.25	3.65	3.18	3.56	3.02	3
Boron	259,431	NE	2.94 J	2.35 J	1.36 J	1.86 J	2.42 J	4.56 J	2.17 J	1.75 J	5.54 J	1.98 J	1.61 J
Barium	254,671	NE	67.1	113	254	32.1	70.5	83.4	44.2	173	85.5	103	49.4
Calcium	40,555,556	NE	25,400	3,400	4,080	1,970	3,200	10,300	2,260	3,860	78,900	4,850	5,540
Cadmium	1,108	NE	0.229 J	0.176 J	0.557	0.221 J	0.29	0.21 J	0.0867 J	0.438	0.162 J	0.0832 J	0.395
Cobalt	388	NE	6.17	7.59	9.9	5.64	10.3	5.64	7.35	14.1	6.91	7.51	18.3
Chromium	504.62	NE	7.06	10.4	7.55	4.3	4.15	7.54	8.49	7.58	7.18	9.65	7.12
Iron	908,444	NE	18,300	24,800	45,700	16,300	18,500	15,800	23,600	21,100	14,400	20,600	20,800
Potassium	76,244,444	NE	1,560	1,530	1,600	1,350	1,280	1,350	1,640	1,400	1,230	1,260	1,250
Mercury	111	NE	0.0297	0.0234	0.0233 J	0.0219	0.023	0.0108 J	0.0257	0.0167 J	0.00529 J	0.00767 J	0.019 J
Magnesium	5,677,778	NE	3,620	4,260	2,630	4,330	3,380	4,730	4,350	4,710	4,890	3,950	4,360
Manganese	160,183	NE	196	117	97.1	205	131	292	123	210	813	138	317
Molybdenum	6,489	NE	1.59	1.82	14.3	0.406 J	2.6	3.61	0.67	0.973	1.41	0.954	0.612
Sodium	37,311,111	NE	7,250	3,130	3,040	7,080	9,120	11,700	6,820	3,410	11,200	4,790	3,510
Nickel	25,682	NE	9.71	10.3	13.6	8.48	13.3	10.9	11	19.8	7.93	9.08	19.9
Lead	NE	NE	14.5	15.5	20.2	13.1	14.4	10.4	13.6	14.3	10.9	10.4	10.9
Selenium	6,489	NE	<0.282	<0.277	3.98	<0.301	<0.288	<0.265	<0.299	<0.264	0.608 J	<0.287	<0.288
Total Petroleum Hydrocarbons													
Gasoline Range Organics [C6-C10]	500	100	<2.45	<2.43	21.3	<2.25	<2.32	<3.18	<2.34	<2.46	<3.31	<2.4	<2.19
Diesel Range Organics [C10-C28]	3,000	100	<2.82	5.08 J	35.1	16.5	12.6	<2.95	<2.98	<2.97	<2.84	<3.1	<2.96
Oil Range Organics [C24-C40]	3,000	100	4.51 J	4.9 J	4.3 J	<2.84	12.2	3.52 J	<2.98	<2.97	<5.68	4.66 J	<2.96
Total Petroleum Hydrocarbons	NE	100	4.51	10	60.7	16.5	24.8	3.52	0	0	0	4.66	0

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	SB-17				SB-18	SB-18		SB-19		
			1-2 ft bgs	11-12 ft bgs	21-22 ft bgs	26-27 ft bgs	1-2 ft bgs	14-15 ft bgs	21-22 ft bgs	1-2 ft bgs	13-14 ft bgs	17-18 ft bgs
		Sample Date	4/20/2017	4/5/2017	4/5/2017	4/5/2017	4/20/2017	4/10/2017	4/10/2017	3/30/2017	3/27/2017	3/27/2017
Volatile Organic Compounds												
Benzene	87.2	10	<0.000545	<0.000715	<0.000702	<0.000537	<0.00076	0.000824 J	<0.000521	<0.000752	<0.000505	<0.000633
Toluene	61,110	NE	<0.00119	<0.00128	<0.00154	<0.00118	<0.00166	<0.000652	<0.00114	<0.00165	<0.00111	<0.00139
Ethylbenzene	365	NE	<0.000882	<0.00157	<0.00114	<0.000869	<0.00123	<0.000482	<0.000844	<0.00122	<0.000818	<0.00102
Xylenes, Total	4,237	NE	<0.000977	0.482	<0.00126	<0.000963	<0.00136	<0.000534	<0.000935	<0.00135	<0.000906	<0.00114
Total BTEX	NE	50 ³	<0.00119	0.482	<0.00154	<0.00118	<0.00166	0.000824 J	<0.00114	<0.00165	<0.00111	<0.00139
Anions												
Chloride	NE	600	--	--	--	--	--	--	--	--	--	--
Metals												
Aluminum	1,285,451	NE	6,800	11,500	14,000	7,490	11,500	16,200	11,100	11,300	11,400	11,700
Arsenic	35.88	NE	3.24	<1.37	<2.68	<1.14	4	5.98 J	7.76	4.25	1.71	2.67
Boron	259,431	NE	1.95 J	6.42 J	7.55 J	5.14 J	2.74 J	1.62 J	1.35 J	4.88 J	0.85 J	0.662 J
Barium	254,671	NE	332	76.3	62.1	211 J	29.6	161 J	67.7	186	216	98.8
Calcium	40,555,556	NE	39,700	2,500	3,480	5,440 J	31,500	2,290 J	9,460	25,700	3,890	4,230
Cadmium	1,108	NE	0.136 J	0.417	0.831	0.43 J	0.131 J	0.186 J	0.175 J	0.201 J	0.0333 J	<0.0278
Cobalt	388	NE	4.53	4.8	19.5	9.94 J	8.46	6.98	6.08	6.28	6.74	10.9
Chromium	504.62	NE	4.48	5.44	7.97	5.62	7.99	7.36 J	5.92	9.05	6.84	7.55
Iron	908,444	NE	10,300	12,900	19,500	13,300 J	21,200	21,300	35,400	14,200	22,000	26,300
Potassium	76,244,444	NE	852	1,420	1,680	530 J	919	1,590	1,460	1,200	1,130	1,170
Mercury	111	NE	0.013 J	0.0156 J	0.0245	0.00932 J	0.00842 J	0.0409	0.0259	0.402 J	0.00978 J	0.025
Magnesium	5,677,778	NE	2,480	3,300	4,710	3,360	4,040	4,390	2,830	3,410	3,250	3,240
Manganese	160,183	NE	301	108	128	203 J	1,330	112	91.8	324	105	100
Molybdenum	6,489	NE	0.542	0.771	0.267 J	3.47	4	1.4 J	2.13	1.05	<0.634	1.3
Sodium	37,311,111	NE	440	9,120	3,780	2,110 J	8,550	4,690	3,760	1,240	2,150	1,320
Nickel	25,682	NE	5.23	7.51	15.5	9.28 J	9.62	13 J	7.75	11.5	17.7	16.1
Lead	NE	NE	6.05	11.9	10.9	7.34	8.68	19.3	8.84	11.8	11	10.4
Selenium	6,489	NE	<0.26	<0.326	<0.318	<0.272	0.777 J	0.309 J	<0.293	<0.281	<0.288	<0.281
Total Petroleum Hydrocarbons												
Gasoline Range Organics [C6-C10]	500	100	<2.76	<2.37	<2.47	<2.37	<3.31	<2.36	<2.38	<2.35	<2.99	<3.02
Diesel Range Organics [C10-C28]	3,000	100	<2.64	80.3	<3.12	<2.71	<2.89	<2.97	3 J	6.74	<2.82	<2.76
Oil Range Organics [C24-C40]	3,000	100	<5.28	9.04	4.35 J	3.69 J	<5.79	4.23 J	5.93	17.1	<2.82	2.89 J
Total Petroleum Hydrocarbons	NE	100	0	89.3	4.35	3.69	0	4.23	8.9	23.8	0	2.89

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	MW-11		MW-12			MW-13				
			1-2 ft bgs	29-30 ft bgs *	1-2 ft bgs	10-11 ft bgs	16-17 ft bgs *	1-2 ft bgs	10-11 ft bgs	19-20 ft bgs*	29-30 ft bgs *	34-35 ft bgs *
		Sample Date	4/4/2017	3/31/2017	4/4/2017	3/30/2017	3/30/2017	4/4/2017	3/28/2017	3/28/2017	3/28/2017	3/28/2017
Volatile Organic Compounds												
Benzene	87.2	10	<0.000747	<0.000776	<0.000614	<0.000605	<0.00069	<0.000704	0.00119 J	0.00128 J	46.8	0.0229
Toluene	61,110	NE	<0.00164	<0.0017	<0.00135	<0.00133	<0.00151	<0.00154	<0.00141	<0.00128	178	0.0568
Ethylbenzene	365	NE	<0.00121	<0.00126	<0.000995	<0.000979	<0.00112	<0.00114	<0.00104	0.00343 J	25.8	0.00556 J
Xylenes, Total	4,237	NE	<0.00134	0.004 J	<0.0011	<0.00109	<0.00124	<0.00126	<0.00115	0.00826 J	360	0.0668
Total BTEX	NE	50 ³	<0.00164	0.004 J	<0.00135	<0.00133	<0.00151	<0.00154	0.00119 J	0.01297 J	610.6	0.15206
Anions												
Chloride	NE	600	--	--	--	--	--	--	--	--	--	--
Metals												
Aluminum	1,285,451	NE	9,880	7,690	12,100	10,300	12,400	12,000	3,660	8,160	12,700	15,400
Arsenic	35.88	NE	2.17	2.62	3.23	1.97	1.61	2.43	2.39 J	1.46	4.47	1.46
Boron	259,431	NE	2.71 J	0.664 J	1.81 J	0.61 J	1.03 J	2.53 J	<0.378	0.753 J	2.07 J	2.28 J
Barium	254,671	NE	68.2	118	79.5	27	51.9	158	293 J	130	47	45.8
Calcium	40,555,556	NE	45,900	3,480	23,600	1,920	4,110	58,000	7,380 J	21,600	3,960	2,830
Cadmium	1,108	NE	0.112 J	0.138 J	0.144 J	<0.0267	<0.0273	0.157 J	<0.025	<0.0279	<0.0265	<0.027
Cobalt	388	NE	6.31	11	8.93	5.85	9.67	7.54	4.1	7.42	22	8.44
Chromium	504.62	NE	6.24	4.78	6.18	6.83	8.29	6.75	2.9	6.14	5.85	6.37
Iron	908,444	NE	14,000	17,100	16,600	16,700	23,600	13,400	8,530	13,400	17,700	17,000
Potassium	76,244,444	NE	416	576	704	1,300	1,280	911	377	675	1,280	1,640
Mercury	111	NE	<0.0039	0.0053 J	0.251	0.0269	0.00601 J	0.121	<0.00331	0.00519 J	0.0249	<0.00363
Magnesium	5,677,778	NE	2,220	2,560	3,470	3,570	4,120	3,160	2,190	2,890	4,020	4,270
Manganese	160,183	NE	1,410	211	386	59.7	154	2,170	300	1,310	476	122
Molybdenum	6,489	NE	1.77	0.752	1.16	<0.521	<0.534	1.25	0.929	1.94	1.71	0.206 J
Sodium	37,311,111	NE	2,240	501	2,920	4,660	3,050	5,060	<330	2,300	7,000	7,800
Nickel	25,682	NE	7.08	11	9.32	13.6	15.9	8.95	3.77	8.36	22.5	9.62
Lead	NE	NE	6.91	8.53	8.86	16.8	11.8	8.39	5.76 J	7.91	15.1	14.1
Selenium	6,489	NE	<2.12	<0.255	<0.287	<0.27	<0.276	<0.271	<0.253	<0.283	0.636 J	<0.273
Total Petroleum Hydrocarbons												
Gasoline Range Organics [C6-C10]	500	100	<2.47	<2.38	<2.24	<2.42	<2.45	<2.41	<2.42	<2.41	48.2	<2.45
Diesel Range Organics [C10-C28]	3,000	100	<2.72	6.47	<2.84	<2.85	10.2	3.92 J	<2.49	<2.79	50.3	<2.7
Oil Range Organics [C24-C40]	3,000	100	5.05 J	8.63	6.18	<2.85	5.71	6.74	2.7 J	2.9 J	3.75 J	2.77 J
Total Petroleum Hydrocarbons	NE	100	5.05	15.1	6.18	0	15.9	10.66	2.7	2.9	102.3	2.77

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	MW-14				MW-15	MW-15			MW-16			MW-17	
			1-2 ft bgs	15-16 ft bgs*	20-21 ft bgs*	25-26 ft bgs*	1-2 ft bgs	9-10 ft bgs	14-15 ft bgs	26-27 ft bgs*	1-2 ft bgs	10-11 ft bgs	14-15 ft bgs	0 - 1 ft bgs	9 - 10 ft bgs
		Sample Date	4/19/2017	4/20/2017	4/10/2017	4/10/2017	4/19/2017	4/12/2017	4/12/2017	4/12/2017	4/17/2017	4/12/2017	4/12/2017	1/28/2019	1/28/2019
Volatile Organic Compounds															
Benzene	87.2	10	<0.00103	<0.000685	0.265 J	0.024 J	<0.000923	7.59	1.58 J	3.28	<0.000837	1.34	0.00308 J	<0.00107	16.1 J
Toluene	61,110	NE	<0.00226	<0.0015	<0.0624	0.0157 J	<0.00202	<0.829	<0.691	8.57	<0.00183	2.51	<0.00123	<0.00235	187 J
Ethylbenzene	365	NE	<0.00167	<0.00111	0.95 J	0.00719 J	<0.00149	10.4	7.95	0.146 J	<0.00136	0.311	0.00584 J	<0.00173	29 J
Xylenes, Total	4,237	NE	<0.00185	<0.00123	1.15 J	0.038 J	0.00334 J	82	35.3	11.2	<0.0015	6.69	0.0849 J	<0.00192	420 J
Total BTEX	NE	50 ³	<0.00226	<0.0015	2.365	0.08489	0.00334 J	99.99	44.83	23.196	<0.00183	10.851	0.09382 J	<0.00235	652.1
Anions															
Chloride	NE	600	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals															
Aluminum	1,285,451	NE	12,400	14,900	16,600	17,600	14,200	13,400	11,600	13,100	14,700	14,900	7,270	11,600	6,510
Arsenic	35.88	NE	5.39	3.98	3.41	3.14	5.52	10.7	8.52	5.43	4.56	6.14	2.06	4.54	2.34
Boron	259,431	NE	4.45 J	4.05 J	1.18 J	1.88 J	3.09 J	2.2 J	1.81 J	2.38 J	2.84 J	1.69 J	0.913 J	<2.8 J	0.864
Barium	254,671	NE	132	62.2	24.3	44.7	85.4 J	34.7	39	68.2	119	68.6	260	155	83.2
Calcium	40,555,556	NE	13,000	19,400	2,390	3,720	19,500 J	2,240	3,150	1,870	3,850	5,610	12,700	--	--
Cadmium	1,108	NE	0.2 J	0.723	0.131 J	0.0799 J	0.221 J	0.272 J	0.144 J	0.157 J	0.17 J	0.197 J	0.103 J	0.384	0.204
Cobalt	388	NE	6.53	7.44	15.2	10.4	8.62	10.9	7.82	10.1	7.26	9.48	14.3	10.9	13.2
Chromium	504.62	NE	8.2	7.86	7.51	6.23	6.72	6.94	6.33	4.97	7.74	7.03	5.32	6.53	3.73
Iron	908,444	NE	18,800	21,000	19,400	23,900	19,400	23,600	24,300	21,400	16,200	19,200 J	9,840	16,300	11,000
Potassium	76,244,444	NE	1,660	1,300	1,550	1,450	1,570 J	1,750	1,250	1,420	1,470	1,660	602	--	--
Mercury	111	NE	0.0286	0.0256	0.0389	0.0216	0.0334	0.0653	0.0524	0.0306	0.0164 J	0.024	<0.00391	<0.00387	<0.00391
Magnesium	5,677,778	NE	3,970	3,950	4,030	4,170	4,120	3,620	2,690	3,010	5,130	3,390	2,410	--	--
Manganese	160,183	NE	282	695	137	171	423	84.7	97.6	98.1	256	135	473	442	4090 J
Molybdenum	6,489	NE	0.751	0.836	0.751	1.58	1.2 J	2.02	2.49	2.76	1.2	1.17	2.04	0.978	6.49
Sodium	37,311,111	NE	8,320	2,940	6,570	8,460	13,600	8,900	5,440	7,400	8,470	15,600	5,280	--	--
Nickel	25,682	NE	9.34	16.1	18.5	11.4	11.2	12.2	7.65	8.72	10.7	14.7 J	15.9	9.4	10.9
Lead	NE	NE	13.4	12.8	17.9	13.5	20.5	18.1	19.7	18.1	11	14.3	7.01	11.5	7.32
Selenium	6,489	NE	0.993 J	<0.255	<0.295	<0.259	0.523 J	<0.3	<0.286	<0.301	<0.252	0.833 J	<0.266	0.293	2.22
Total Petroleum Hydrocarbons															
Gasoline Range Organics [C6-C10]	500	100	<4.12	<2.88	22.4	<2.95	<3.22	1,910	472	124	<3.08	<3.62	<3.05	<3.22 J	3490
Diesel Range Organics [C10-C28]	3,000	100	4.07 J	7.18	24.5	5.78	4.13 J	1,000	177	21.4	12.7	19.6	<2.73	76.9 J	100 J
Oil Range Organics [C24-C40]	3,000	100	<7.08	3.46 J	4.02 J	5.18 J	<7.94	18	4.93 J	6.39	12.6	6.64	3.15 J	81.2 J+	6.31
Total Petroleum Hydrocarbons	NE	100	4.07	10.64	50.9	10.96	4.13	2,928	654	151.8	25.3	26.24	3.15	158.1	3,596

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	MW-18		MW-18	MW-19			MW-20				MW-21		MW-21
			0 - 1 ft bgs	10 - 11 ft bgs	19-20 ft bgs	0 - 1 ft bgs	10 - 11 ft bgs	18 - 19 ft bgs	0 - 1 ft bgs	10 - 11 ft bgs	19 - 20 ft bgs	29-30 ft bgs	0 - 1 ft bgs	10 - 11 ft bgs	19 - 20 ft bgs
		Sample Date	1/28/2019	1/28/2019	1/28/2019	1/28/2019	1/29/2019	1/29/2019	1/29/2019	2/1/2019	2/1/2019	2/1/2019	1/29/2019	1/31/2019	1/31/2019
Volatile Organic Compounds															
Benzene	87.2	10	<0.00096	<0.000836	<0.000748	<0.000705	<0.000745	<0.00162	<0.000808	<0.000653	<0.000668	<0.000685	<0.000704	0.00473 J	3.43
Toluene	61,110	NE	<0.0021	<0.00183	<0.00164	<0.00154	<0.00163	<0.00159	<0.00177	<0.00143	<0.00146	<0.0015	<0.00154	0.769	141
Ethylbenzene	365	NE	<0.00155	<0.00135	<0.00121	<0.00114	<0.00121	<0.00118	<0.00131	<0.00106	<0.00108	<0.00111	<0.00114	<0.00155	0.222 J
Xylenes, Total	4,237	NE	<0.00172	<0.0015	<0.00134	<0.00126	<0.00134	<0.0013	<0.00145	<0.00117	<0.0012	<0.00123	<0.00126	7.96	1,460
Total BTEX	NE	50 ³	<0.0021	<0.00183	<0.00164	<0.00154	<0.00163	<0.00159	<0.00177	<0.00143	<0.00146	<0.0015	<0.00154	8.73373	1,604.4
Anions															
Chloride	NE	600	--	--	--	--	--	--	--	--	--	--	--	--	--
Metals															
Aluminum	1,285,451	NE	15,700	13,500	13,000	9,740	12,600	9,360	9,620	8,100	13,400	7,640	11,700	14,300	6,320
Arsenic	35.88	NE	4.75	9.34	5.5	2.48	6.44	5.88	3.02	4.29	4.14	7.93 J	4.39	3.17	0.974 J
Boron	259,431	NE	<2.54	<1.73	<1.69	3.27 J-	1.94 J-	1.45 J	3.85 J	<1.28	<1.67	<1.48 J	2.69 J	2.66 J	1.88 J
Barium	254,671	NE	176	89.3	24.6	44.8	32.3 J+	55.4	277	80	29.8	30.8	70.6	72.7	43.9
Calcium	40,555,556	NE	--	--	--	--	--	--	--	--	--	--	--	--	--
Cadmium	1,108	NE	0.36	0.389	0.31	0.226 J	0.287	0.597	0.198 J	0.211 J	0.45	0.301 J	0.36	0.345	0.203 J
Cobalt	388	NE	9.76	31.9	11.5	5.27 J	6.97	9.98	14.3	4.7	4.69	6.06	8.45	9.14	3.13
Chromium	504.62	NE	7.28	8.84	8.68	5.86 J	6.93	5.7	6.15	4.42	6.46	5.15 J	6.87	6.21	1.97
Iron	908,444	NE	17,800	30,000	22,900	13,300	18,700	20,700	14,100	15,100	19,500	20,500	19,200	25,000	11,900
Potassium	76,244,444	NE	--	--	--	--	--	--	--	--	--	--	--	--	--
Mercury	111	NE	0.0115 J	0.0846	0.0342	0.00611 J	0.0232	0.0155 J	<0.00414	<0.00392	<0.00394	<0.00882	0.0361	0.0476	0.0328
Magnesium	5,677,778	NE	--	--	--	--	--	--	--	--	--	--	--	--	--
Manganese	160,183	NE	446	261	132	235 J+	75.1	141	232	57.1	169	82.2 J	249	121	74.8
Molybdenum	6,489	NE	0.971	3.07	1.28	2.54	0.411 J	1.17	0.873	1.42	0.252 J	1.43 J	1.91	1.35	<0.532
Sodium	37,311,111	NE	--	--	--	--	--	--	--	--	--	--	--	--	--
Nickel	25,682	NE	10.6	11.4	16.2	5.59 J	9.33	11.8	7.74	5.35	12.8	4.4	9.37	6.11	2.01
Lead	NE	NE	15.2	19.2	12.4	9.16	17.9	11.9	9.85	8.37	13.4	8.53	14.6	21.4	14.5
Selenium	6,489	NE	<0.296	<0.292	<0.286	<0.316	<0.292	<0.303	<0.284	<0.28	<0.278	<0.274 J	<0.311	0.305 J	<0.31
Total Petroleum Hydrocarbons															
Gasoline Range Organics [C6-C10]	500	100	<3.15	<3.31	<3.06	<3.43	<3.15	<3.36	<3.13	<2.91	<3.05	3.19 J	<3.68	134	3,280
Diesel Range Organics [C10-C28]	3,000	100	<2.93	<2.92	3.13 J	11.8	<3	<2.96	2.98 J	<2.78	<2.81	2.18 J	3.68 J	20.8	1,560
Oil Range Organics [C24-C40]	3,000	100	5.43 J	3.82 J	4.48 J	7.14	5.46 J	4.33 J	5.12 J	3.58 J	3.68 J	4.76 J	7.05	6.18	7.8
Total Petroleum Hydrocarbons	NE	100	5.43	3.82	7.61	18.94	5.46	4.33	8.1	3.58	3.68	10.13	10.73	160.98	4,848

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	MW-22			MW-23					MW-24	
			0 - 1 ft bgs	10 - 11 ft bgs	18 - 19 ft bgs	0 - 1 ft bgs	10 - 11 ft bgs	19 - 20 ft bgs	29 - 30 ft bgs	39 - 40 ft bgs	17.5 - 20 ft bgs	20 -22.5 ft bgs
		Sample Date	1/29/2019	2/2/2019	2/2/2019	1/29/2019	2/2/2019	2/2/2019	2/2/2019	2/2/2019	7/22/2021	7/22/2021
Volatile Organic Compounds												
Benzene	87.2	10	<0.000699	1.76	13.4 J	<0.000706	<0.000804	<0.001	<0.000591	<0.000704	0.011	0.0040
Toluene	61,110	NE	<0.00153	13.4	29.6 J	<0.00155	<0.00176	<0.0022	<0.00129	<0.00154	0.0036 J	0.011
Ethylbenzene	365	NE	<0.00113	0.189 J	19.8 J	<0.00114	<0.0013	<0.00163	<0.000957	<0.00114	0.00062 J	0.0017
Xylenes, Total	4,237	NE	<0.00125	53.8	251 J	<0.00127	<0.00144	<0.0018	<0.00106	<0.00126	0.0021 J	0.0093
Total BTEX	NE	50 ³	<0.00153	69.189	313.8	<0.00155	<0.00176	<0.0022	<0.00129	<0.00154	0.01732	0.0260
Anions												
Chloride	NE	600	--	--	--	--	--	--	--	--	7.0 J	12 J
Metals												
Aluminum	1,285,451	NE	10,100	10,800	9,370	10,600	10,200	20,500	6,090	14,500	16,000	11,000
Arsenic	35.88	NE	3.79	2.3	1.48	3.63	4.15	5.19	2.91	4.2	3.4	3.1
Boron	259,431	NE	<1.51	1.72 J	2.41 J	2.16 J	5.92 J-	2.88 J	<1.48	2.18 J	3.1 J,F1,J-	2.1 J
Barium	254,671	NE	155	49.4	77.4	188	120 J+	58.8	165	103	58 F1,J-	80
Calcium	40,555,556	NE	--	--	--	--	--	--	--	--	--	--
Cadmium	1,108	NE	0.284 J	0.525	0.303	0.287	<0.0801	0.425	0.181 J	0.303	<0.25	<0.28
Cobalt	388	NE	9.16	6.98	7.34 J	12.1	6.25	35.30	7.49	9.54	3.8	4.8
Chromium	504.62	NE	5.68	5.74	3.87	5.50	5.49	6.35	3.01	3.60	7.3	5.9
Iron	908,444	NE	16,400	33,100	17,000	17,200	18,800	24,500	12,200	16,300	24,000	17,000
Potassium	76,244,444	NE	--	--	--	--	--	--	--	--	--	--
Mercury	111	NE	<0.00424	0.0218	<0.00387	<0.00383	0.026	0.0251 J	<0.00359	0.0452	0.068 B	0.039 B
Magnesium	5,677,778	NE	--	--	--	--	--	--	--	--	--	--
Manganese	160,183	NE	2,260	97.1	98.3	908	54.1	247	150	140	98 F1,J-	110
Molybdenum	6,489	NE	0.829	0.592 J	0.932	0.915	0.924	0.947	1.55	0.629	0.41 J	0.50 J
Sodium	37,311,111	NE	--	--	--	--	--	--	--	--	--	--
Nickel	25,682	NE	9.73	4.99	6.41	10.4	5.69	12.8	6.05	13.4	5.4	7.2
Lead	NE	NE	10.6	7.34	9.3	12.1	11.1	27.6	7.95	17.3	9.9	14
Selenium	6,489	NE	<0.3	<0.289	<0.286	<0.286	<0.305	<0.4	<0.254	<3.01	<0.53	1.6 J,B,J+
Total Petroleum Hydrocarbons												
Gasoline Range Organics [C6-C10]	500	100	<3.32	804	2,560	<2.93	<3.2 J	<5.22	2.82 J	3.75 J	<2.8	<3.2
Diesel Range Organics [C10-C28]	3,000	100	<3	89.6	430 J	<2.81	<3.06	<4.11	<2.54	<2.97	<2.7	<3.1
Oil Range Organics [C24-C40]	3,000	100	4.8 J	3.21 J	4.03 J	5.19 J	3.31 J	6.11 J	3.78 J	4.79 J	<3.8	<4.3
Total Petroleum Hydrocarbons	NE	100	4.8	896.81	2,994	5.19	3.31	6.11	6.6	8.54	0	0

* = Soil sample depth is below the water table.
¹ = New Mexico Environment Department, (NMED) Risk Assessment Guidance for Site Investigations and Remediation, Volume I, Soil Screening Guidance for Human Health Risk Assessments. Table A-1 NMED Soil Screening Levels, March 2019
² = Calculated following Section IV.A.2.b. of the NMOCD Guidelines for Remediation of Leaks, Spills and Releases. August 13, 1993. The Depth to Ground Water at the site is less than 50 feet, which generates a Total Ranking Score of 20 that indicates the listed Remediation Action Level is required.
³ = 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 benzene, toluene, ethylbenzene and xylene (BTEX) compounds.
Shaded text indicates detected concentration exceeding the screening criteria or recommended action level
Bold text indicates detected concentration
< = Analyte was not detected above the method detection limit
-- = Sample not analyzed for specific analyte
B = Compound was found in the blank and sample
F1 = MS and/or MSD recovery exceeds control limits
F2 = MS/MSD RPD exceeds control limits
ft bgs = feet below ground surface
J = Analyte
J- = The analyte
J+ = The
mg/kg = milligram(s) per kilogram
NE = not established
NMOCD = New Mexico Oil Conservation Division
USEPA = United States Environmental Protection Agency

Table 2
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Analyte	New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)	NMOCD Recommended Remediation Action Level ² (mg/kg)	MW-25				MW-26	
			9 - 11 ft bgs	13 - 15 ft bgs	19 - 21 ft bgs	38 - 39 ft bgs	23 - 25 ft bgs	49 - 51 ft bgs
		Sample Date	7/22/2021	7/22/2021	7/22/2021	7/22/2021	7/23/2021	7/23/2021
Volatile Organic Compounds								
Benzene	87.2	10	0.00038 J	0.00046 J	0.0020	0.15	0.020	0.0083
Toluene	61,110	NE	0.0015 J	0.0019 J	0.0076	0.79	0.056	1.2
Ethylbenzene	365	NE	<0.00038	<0.00041	0.0016	0.18	0.0061	0.10
Xylenes, Total	4,237	NE	0.0011 J	0.0015 J	0.0094	2.2	0.036	5.2
Total BTEX	NE	50 ³	0.00298	0.00386	0.0206	3.32	0.118	6.51
Anions								
Chloride	NE	600	13	12	13	25	21	15
Metals								
Aluminum	1,285,451	NE	5,300	8,300	9,500	19,000	15,000	14,000
Arsenic	35.88	NE	2.0	2.4	1.2	5.5	14	2.2
Boron	259,431	NE	<0.66	2.1 J	1.0 J	3.5 J	2.2 J	1.9 J
Barium	254,671	NE	26	25	30	100	23	46
Calcium	40,555,556	NE	--	--	--	--	--	--
Cadmium	1,108	NE	<0.26	<0.27	<0.22	<0.26	<0.25	<0.23
Cobalt	388	NE	5.3	5.5	14	11	25	3.7
Chromium	504.62	NE	3.8	7.7	4.8	6.9	6.7	4.5
Iron	908,444	NE	11,000	17,000	17,000	26,000	29,000	21,000
Potassium	76,244,444	NE	--	--	--	--	--	--
Mercury	111	NE	0.0065 J,B,J+	0.0067 J,B,J+	0.021 B,J+	0.042 B	0.062 F2,J	0.036
Magnesium	5,677,778	NE	--	--	--	--	--	--
Manganese	160,183	NE	180	210	150	170	220	160
Molybdenum	6,489	NE	0.56 J	0.82 J	<0.097	1.7	1.8	1.5
Sodium	37,311,111	NE	--	--	--	--	--	--
Nickel	25,682	NE	4.5	4.7	7.5	15	16	5.6
Lead	NE	NE	4.4	7.2	10	16	20	13
Selenium	6,489	NE	1.1 J,B,J+	<0.56	<0.46	1.3 J,B,J+	1.8 J,B,J+	<0.49
Total Petroleum Hydrocarbons								
Gasoline Range Organics [C6-C10]	500	100	<2.8	<3.0	<2.8	47	<2.9	91
Diesel Range Organics [C10-C28]	3,000	100	<2.7	<3.0	<2.7	6.3 J	<2.8	12
Oil Range Organics [C24-C40]	3,000	100	<3.8	<4.1	<3.7	6.9 J	<3.9	<3.9
Total Petroleum Hydrocarbons	NE	100	0	0	0	60.2	0	103

Table 3
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
W-2	5284.43	9/25/2001	NA	NA	NA
		8/15/2002	ND	57.55	5226.88
		8/26/2003	ND	57.53	5226.90
		8/27/2004	ND	57.76	5226.67
		8/24/2005	ND	58.50	5225.93
		8/10/2006	ND	58.72	5225.71
		8/23/2007	ND	52.73	5231.70
		8/27/2008	ND	55.53	5228.90
		8/28/2009	ND	55.24	5229.19
		8/26/2010	ND	52.80	5231.63
		8/31/2011	ND	53.69	5230.74
		12/19/2013	ND	55.31	5229.12
		12/16/2014	ND	54.98	5229.45
		12/15/2015	ND	54.31	5230.12
		12/13/2016	ND	53.91	5230.52
		7/05/2017	ND	55.00	5229.43
		11/16/2017	ND	53.97	5230.46
		1/28/2018	ND	55.02	5229.41
		11/12/2018	ND	55.65	5228.78
		3/11/2019	ND	57.21	5227.22
		4/15/2019	ND	57.49	5226.94
MW-4	5286.88	10/14/2019	ND	54.74	5229.69
		11/15/2020	ND	52.97	5231.46
		11/08/2021	ND	53.6	5230.83
		9/25/2001	NA	NA	NA
		8/15/2002	ND	52.93	5233.95
		8/26/2003	ND	53.53	5233.35
		8/27/2004	ND	54.44	5232.44
		8/24/2005	ND	55.29	5231.59
		8/10/2006	ND	55.57	5231.31
		8/23/2007	ND	51.87	5235.01
		8/27/2008	ND	52.24	5234.64
		8/28/2009	ND	58.70	5228.18
		8/26/2010	ND	52.32	5234.56
		8/31/2011	ND	51.63	5235.25
		12/19/2013	ND	52.00	5234.88
		12/16/2014	ND	52.08	5234.80
		12/15/2015	ND	51.62	5235.26
		12/13/2016	ND	51.38	5235.50
		7/05/2017	ND	52.26	5234.62
		11/16/2017	ND	51.53	5235.35
		1/28/2018	ND	52.03	5234.85
		11/12/2018	ND	52.77	5234.11
		3/11/2019	ND	53.70	5233.18
		4/15/2019	ND	53.18	5233.70
		10/14/2019	ND	53.12	5233.76
		11/15/2020	ND	52.89	5233.99
		11/08/2021	ND	52.70	5234.18

Table 3
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-5	5257.44	2/10/1998	ND	16.29	5241.15
		5/12/1998	ND	16.09	5241.35
		8/7/1998	ND	17.69	5239.75
		11/4/1998	ND	16.76	5240.68
		2/10/1999	ND	15.51	5241.93
		5/17/1999	ND	15.49	5241.95
		8/18/1999	ND	16.67	5240.77
		11/30/1999	ND	16.60	5240.84
		4/10/2000	ND	15.52	5241.92
		6/29/2000	ND	16.83	5240.61
		9/29/2000	ND	17.58	5239.86
		12/21/2000	ND	16.38	5241.06
		3/27/2001	ND	15.13	5242.31
		6/27/2001	ND	16.04	5241.40
		9/25/2001	ND	17.39	5240.05
		11/29/2001	ND	17.45	5239.99
		1/25/2002	ND	17.73	5239.71
		8/15/2002	ND	18.61	5238.83
		8/26/2003	ND	17.33	5240.11
		8/27/2004	ND	16.80	5240.64
		8/24/2005	ND	13.83	5243.61
MW-6	5308.71	8/10/2006	NA	NA	NA
		8/23/2007	ND	14.42	5243.02
		Well destroyed prior to May 2008			
		9/25/2001	NA	NA	NA
		8/15/2002	ND	31.50	5277.21
		8/26/2003	ND	31.76	5276.95
		8/27/2004	ND	31.85	5276.86
		8/24/2005	ND	29.93	5278.78
		8/10/2006	ND	30.37	5278.34
		8/23/2007	ND	30.70	5278.01
		11/15/2020	ND	33.03	5275.68
		8/27/2008	ND	31.27	5277.44
		8/28/2009	ND	31.44	5277.27
		8/26/2010	ND	31.55	5277.16
		8/31/2011	ND	31.47	5277.24
		12/19/2013	ND	30.98	5277.73
		12/16/2014	ND	31.55	5277.16
		12/15/2015	ND	31.55	5277.16
		12/13/2016	ND	32.00	5276.71
		7/05/2017	ND	32.34	5276.37
MW-7	5293.13	11/16/2017	ND	32.21	5276.50
		1/28/2018	ND	32.32	5276.39
		11/12/2018	ND	32.69	5276.02
		3/11/2019	ND	32.51	5276.20
		4/15/2019	ND	32.52	5276.19
		10/14/2019	ND	32.72	5275.99
MW-7	5293.13	11/15/2020	ND	33.03	5275.68
		11/08/2021	ND	33.19	5275.52
		9/25/2001	NA	NA	NA
		8/15/2002	ND	27.07	5266.06
		8/26/2003	ND	27.00	5266.13
		8/27/2004	ND	23.55	5269.58
MW-7	5293.13	8/24/2005	ND	19.48	5273.65
		10/08/2006	ND	20.33	5272.80
		Well plugged in May 2007			

Table 3
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-8	5262.72	2/10/1998	ND	10.39	5252.33
		5/12/1998	ND	10.02	5252.70
		8/7/1998	ND	10.13	5252.59
		11/4/1998	ND	10.75	5251.97
		2/10/1999	ND	11.31	5251.41
		5/17/1999	ND	10.93	5251.79
		8/18/1999	ND	10.44	5252.28
		11/30/1999	ND	11.10	5251.62
		4/10/2000	ND	11.70	5251.02
		6/29/2000	ND	11.16	5251.56
		9/29/2000	NA	NA	NA
		12/21/2000	ND	11.96	5250.76
		3/27/2001	ND	12.32	5250.40
		6/27/2001	ND	11.49	5251.23
		9/25/2001	ND	11.06	5251.66
		10/29/2001	ND	11.31	5251.41
		1/25/2002	ND	12.35	5250.37
		5/23/2002	ND	12.60	5250.12
		8/15/2002	ND	12.90	5249.82
		3/6/2003	ND	12.79	5249.93
		5/15/2003	ND	12.25	5250.47
		8/26/2003	ND	11.16	5251.56
		11/25/2003	ND	12.79	5249.93
		5/18/2004	ND	12.02	5250.70
		8/27/2004	ND	6.26	5256.46
		11/17/2004	ND	6.46	5256.26
		2/17/2005	ND	7.43	5255.29
		5/19/2005	ND	3.56	5259.16
		8/24/2005	ND	6.02	5256.70
		11/9/2005	ND	8.38	5254.34
		2/20/2006	ND	8.55	5254.17
		5/24/2006	ND	6.31	5256.41
		8/10/2006	ND	6.80	5255.92
		12/27/2006	ND	4.94	5257.78
		2/27/2007	ND	5.40	5257.32
		5/25/2007	ND	6.28	5256.44
		8/23/2007	ND	9.25	5253.47
		11/28/2007	ND	12.16	5250.56
		2/13/2008	ND	10.41	5252.31
		5/8/2008	ND	10.40	5252.32
		8/27/2008	ND	11.15	5251.57
		11/18/2008	ND	11.90	5250.82
		2/18/2009	ND	13.60	5249.12
		5/5/2009	ND	13.07	5249.65
		8/28/2009	ND	13.75	5248.97
		11/4/2009	ND	18.58	5244.14
		2/18/2010	ND	21.19	5241.53
		5/26/2010	ND	13.72	5249.00
		8/26/2010	ND	20.64	5242.08
		9/11/2010	ND	21.60	5241.12
		12/19/2013	ND	15.11	5247.61
		12/16/2014	ND	15.90	5246.82
		12/15/2015	ND	15.05	5247.67
		12/13/2016	ND	14.92	5247.80
		07/05/2017	ND	16.24	5246.48
		11/16/2017	ND	17.09	5245.63
		01/28/2018	ND	17.55	5245.17
		11/12/2018	ND	17.90	5244.82
		3/11/2019	ND	18.35	5244.37
		4/15/2019	ND	18.59	5244.13
		10/14/2019	ND	18.76	5243.96
		11/15/2020	ND	19.47	5243.25
		11/08/2021	ND	20.10	5242.62

Table 3
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-9	5264.26	2/10/1998	ND	4.90	5259.36
		5/12/1998	ND	4.22	5260.04
		8/7/1998	ND	5.12	5259.14
		11/4/1998	ND	4.60	5259.66
		2/10/1999	ND	4.67	5259.59
		5/17/1999	ND	4.48	5259.78
		8/18/1999	ND	4.85	5259.41
		11/30/1999	ND	5.38	5258.88
		4/10/2000	ND	4.74	5259.52
		6/29/2000	ND	5.47	5258.79
		9/29/2000	NA	NA	NA
		12/21/2000	ND	5.82	5258.44
		3/27/2001	ND	5.34	5258.92
		6/27/2001	ND	5.68	5258.58
		9/25/2001	ND	6.77	5257.49
		10/29/2001	ND	6.91	5257.35
		12/26/2001	ND	5.68	5258.58
		1/25/2002	ND	7.27	5256.99
		2/21/2002	NA	NA	NA
		5/23/2002	ND	5.45	5258.81
		8/15/2002	ND	6.93	5257.33
		3/6/2003	ND	6.82	5257.44
		5/15/2003	ND	5.45	5258.81
		8/26/2003	ND	6.69	5257.57
		11/25/2003	ND	6.42	5257.84
		5/18/2004	ND	5.97	5258.29
		8/27/2004	ND	6.49	5257.77
		11/17/2004	ND	6.02	5258.24
		2/17/2005	ND	5.69	5258.57
		5/19/2005	ND	4.78	5259.48
		8/24/2005	ND	5.19	5259.07
		11/9/2005	ND	4.93	5259.33
		2/20/2006	ND	4.83	5259.43
		5/24/2006	ND	4.47	5259.79
		8/10/2006	ND	5.19	5259.07
		12/27/2006	ND	4.13	5260.13
		2/27/2007	ND	4.24	5260.02
		5/25/2007	ND	3.81	5260.45
		8/23/2007	ND	4.85	5259.41
		11/28/2007	ND	5.13	5259.13
		2/13/2008	ND	5.28	5258.98
		5/8/2008	ND	4.71	5259.55
		8/27/2008	ND	6.06	5258.20
		11/18/2008	ND	6.53	5257.73
		2/18/2009	ND	6.69	5257.57
		5/5/2009	ND	12.18	5252.08
		8/28/2009	ND	16.54	5247.72
		11/4/2009	ND	16.63	5247.63
		2/18/2010	ND	16.18	5248.08
		5/26/2010	ND	16.36	5247.90
		8/26/2010	ND	16.93	5247.33
		11/9/2010	ND	15.28	5248.98

Table 3
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-9	5264.26	2/7/2011	ND	15.17	5249.09
		5/16/2011	ND	14.75	5249.51
		8/31/2011	ND	14.46	5249.80
		11/8/2011	ND	14.45	5249.81
		2/22/2012	ND	14.09	5250.17
		12/19/2013	ND	12.97	5251.29
		12/16/2014	ND	12.86	5251.40
		12/15/2015	ND	11.83	5252.43
		12/13/2016	ND	11.16	5253.10
		7/05/2017	ND	11.34	5252.92
		11/16/2017	ND	10.37	5253.89
		1/28/2018	ND	10.54	5253.72
		11/12/2018	ND	10.34	5253.92
		3/11/2019	ND	10.14	5254.12
		4/15/2019	ND	9.70	5254.56
MW-11	5290.46	10/14/2019	ND	10.20	5254.06
		11/15/2020	ND	10.26	5254.00
		11/08/2021	ND	9.95	5254.31
		7/05/2017	ND	28.08	5262.38
		11/16/2017	ND	25.88	5264.58
		1/28/2018	ND	25.90	5264.56
		11/12/2018	ND	26.06	5264.40
		3/11/2019	ND	25.38	5265.08
MW-12	5282.8	4/15/2019	ND	25.11	5265.35
		10/14/2019	ND	25.54	5264.92
		8/20/2020	ND	26.32	5264.14
		11/15/2020	ND	26.29	5264.17
		11/08/2021	ND	26.03	5264.43
		7/05/2017	ND	20.62	5262.18
		11/16/2017	ND	19.53	5263.27
		1/28/2018	ND	19.21	5263.59
MW-13	5279.31	11/12/2018	ND	18.92	5263.88
		3/11/2019	ND	19.10	5263.70
		4/15/2019	ND	18.78	5264.02
		10/14/2019	ND	19.82	5262.98
		11/15/2020	ND	20.44	5262.36
		11/08/2021	ND	20.35	5262.45
		7/05/2017	ND	23.35	5255.96
		11/16/2017	ND	21.17	5258.14
MW-14	5270.58	1/28/2018	ND	20.63	5258.68
		11/12/2018	ND	19.95	5259.36
		3/11/2019	ND	19.19	5260.12
		4/15/2019	ND	19.23	5260.08
		10/14/2019	ND	19.32	5259.99
		11/15/2020	ND	19.86	5259.45
		11/08/2021	ND	20.64	5258.67
		7/05/2017	ND	10.65	5259.93
MW-14	5270.58	11/16/2017	ND	8.96	5261.62
		1/28/2018	ND	9.01	5261.57
		11/12/2018	ND	9.95	5260.63
		3/11/2019	ND	8.43	5262.15
		4/15/2019	ND	8.18	5262.40
		10/14/2019	ND	8.90	5261.68
		11/15/2020	ND	9.13	5261.45
MW-14	5270.58	11/08/2021	ND	8.78	5261.80

Table 3
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-15	5273.45	7/05/2017	ND	28.01	5245.44
		11/16/2017	ND	27.65	5245.80
		1/28/2018	ND	27.29	5246.16
		11/12/2018	ND	26.84	5246.61
		3/11/2019	ND	26.21	5247.24
		4/15/2019	ND	26.11	5247.34
		10/14/2019	ND	26.59	5246.86
		11/15/2020	ND	13.48	5259.97
MW-16	5265.34	11/08/2021	ND	26.48	5246.97
		7/05/2017	ND	23.63	5241.71
		11/16/2017	ND	23.16	5242.18
		1/28/2018	ND	23.05	5242.29
		11/12/2018	ND	22.95	5242.39
		3/11/2019	ND	22.73	5242.61
		4/15/2019	ND	22.74	5242.60
		10/14/2019	ND	23.02	5242.32
MW-17	5263.95	11/15/2020	ND	23.00	5242.34
		11/08/2021	ND	22.92	5242.42
		3/11/2019	ND	27.56	5236.39
		4/15/2019	ND	27.60	5236.35
		10/14/2019	ND	27.70	5236.25
MW-18	5269.08	11/15/2020	ND	28.37	5235.58
		11/08/2021	ND	28.34	5235.61
		3/11/2019	ND	13.55	5255.53
		4/15/2019	ND	13.39	5255.69
		10/14/2019	ND	13.76	5255.32
MW-19	5278.94	11/15/2020	ND	13.50	5255.58
		11/08/2021	ND	13.16	5255.92
		3/11/2019	ND	13.54	5265.40
		4/15/2019	ND	13.22	5265.72
		10/14/2019	ND	14.01	5264.93
MW-20	5292.23	11/15/2020	ND	14.49	5264.45
		11/08/2021	ND	14.12	5264.82
		3/11/2019	ND	13.54	5265.40
		4/15/2019	ND	13.22	5265.72
		10/14/2019	ND	14.01	5264.93
		11/15/2020	ND	14.49	5264.45
		11/08/2021	ND	14.12	5264.82
		3/11/2019	ND	13.54	5265.40
MW-21	5276.06	4/15/2019	ND	13.22	5265.72
		10/14/2019	ND	14.01	5264.93
		11/15/2020	ND	14.49	5264.45
		11/08/2021	ND	14.12	5264.82
		3/11/2019	ND	13.54	5265.40
		4/15/2019	ND	13.22	5265.72
		10/14/2019	ND	14.01	5264.93
		11/15/2020	ND	14.49	5264.45
MW-22	5269.13	11/08/2021	28.63	28.68	5247.42
		3/11/2019	ND	36.50	5239.56
		4/15/2019	ND	33.53	5242.53
		10/14/2019	ND	28.98	5247.08
		11/15/2020	ND	28.52	5247.54
		11/08/2021	28.63	28.68	5247.42
		3/11/2019	Dry	Dry	NA
		4/15/2019	ND	37.24	5231.89
MW-23	5287.76	10/14/2019	Dry	Dry	NA
		8/20/2020	Dry	Dry	NA
		11/15/2020	ND	36.68	5232.45
		11/08/2021	ND	36.49	5232.64
		3/11/2019	ND	57.91	5229.85
		4/15/2019	ND	58.05	5229.71
MW-24	5290.19	10/14/2019	ND	Dry	NA
		8/20/2020	Dry	Dry	NA
		11/15/2020	ND	Dry @ 61 feet	NA
		11/08/2021	ND	Dry @ ~61 feet	NA
MW-25	5288.45	8/29/2021	ND	21.42	5268.77
		11/08/2021	ND	20.80	5269.39
MW-25	5288.45	8/29/2021	ND	43.07	5245.38
		11/08/2021	ND	21.03	5267.42

Table 3
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	TOC Elevation (ft amsl)	Measurement Date	Depth to LNAPL (ft btoc)	Depth to Water (ft btoc)	GW Elevation (ft amsl)
MW-26	5295.98	8/29/2021	ND	51.00	5244.98
		11/08/2021	ND	42.30	5253.68
PMW-1a	5298.09	7/05/2017	ND	70.91	5227.18
		11/16/2017	ND	70.43	5227.66
		1/28/2018	ND	70.03	5228.06
		11/12/2018	ND	67.98	5230.11
		3/11/2019	ND	65.83	5232.26
		4/15/2019	ND	66.61	5231.48
		10/14/2019	ND	66.05	5232.04
		11/15/2020	NM	NM	NM
PMW-2	5298.14	7/05/2017	ND	44.69	5253.45
		11/16/2017	ND	44.01	5254.13
		1/28/2018	ND	43.53	5254.61
		11/12/2018	ND	44.29	5253.85
		3/11/2019	ND	41.97	5256.17
		4/15/2019	ND	41.83	5256.31
		10/14/2019	ND	41.70	5256.44
PMW-4a	5287.86	11/15/2020	NM	NM	NM
		7/05/2017	ND	109.00	5178.86
		11/16/2017	ND	>100	NA
		1/28/2018	ND	104.84	5183.02
		11/12/2018	ND	117.03	5170.83
		3/11/2019	ND	101.17	5186.69
		4/15/2019	ND	101.90	5185.96
		10/14/2019	ND	101.97	5185.89
		11/15/2020	NM	NM	NM

Notes:

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

ft amsl = feet above mean sea level

ft btoc = feet below top of casing

LNAPL = Light non-aqueous phase liquid

NA = Historical data not available

ND = not detected

NM = not measured

TOC = top of casing

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
W-2	9/25/2001	<0.002	<0.002	<0.002	<0.002	--	--	--
	8/15/2002	0.0014	0.0004	0.0008	0.001	--	--	--
	8/26/2003	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/27/2004	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/24/2005	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/10/2006	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/23/2007	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/27/2008	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/28/2009	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/26/2010	<0.002	<0.002	<0.002	<0.006	--	--	--
	8/31/2011	<0.001	<0.001	<0.001	<0.0030	--	--	--
	12/19/2013	<0.00008	<0.00015	<0.00011	<0.00026	--	--	--
	12/18/2014	<0.00008	<0.00015	<0.00011	<0.00026	--	--	--
	12/15/2015	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	12/13/2016	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	7/06/2017	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2017	<0.000202	<0.000198	<0.000212	<0.000366	--	--	--
	11/13/2018	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	3/11/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/15/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2021	0.00052 J	<0.00041	<0.00050	<0.0016	--	--	--

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-4	9/25/2001	<0.002	0.0082	0.0043	0.017	--	--	--
	8/15/2002	0.0008	0.0005	0.0011	0.0009	--	--	--
	8/26/2003	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/27/2004	<0.001	<0.001	<0.001	<0.0030	--	--	--
	8/24/2005	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/10/2006	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/23/2007	0.00037 J	<0.001	<0.001	<0.002	--	--	--
	8/27/2008	<0.001	<0.001	<0.001	<0.0030	--	--	--
	8/28/2009	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/26/2010	<0.002	<0.002	<0.002	<0.006	--	--	--
	8/31/2011	<0.001	<0.001	<0.001	<0.0030	--	--	--
	12/19/2013	0.000208 J	<0.00015	<0.00011	<0.00026	--	--	--
	12/18/2014	0.000235	<0.00015	<0.00011	<0.00026	--	--	--
	12/15/2015	0.00021 J	<0.000198	<0.000212	<0.000366	--	--	--
	12/13/2016	0.000176 J	0.000198 J	0.000212 J	0.000366 J	--	--	--
	7/06/2017	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2017	<0.000265	<0.000198	<0.000212	<0.000366	--	--	--
	11/13/2018	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	3/11/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/15/2019	<0.000176	<0.000198	0.00248 J	0.000426 J	--	--	--
	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2021	<0.00013	0.0014	<0.00050	<0.0016	--	--	--

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-6	9/25/2001	0.0021	0.005	<0.002	<0.002	--	--	--
	8/15/2002	0.0003	<0.0005	<0.0005	0.0009	--	--	--
	8/26/2003	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/27/2004	<0.001	<0.001	<0.001	<0.003	--	--	--
	24/08/2005	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/10/2006	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/23/2007	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/27/2008	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/28/2009	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/26/2010	<0.002	<0.002	<0.002	<0.006	--	--	--
	8/31/2011	<0.001	<0.001	<0.001	<0.003	--	--	--
	12/19/2013	<0.00008	<0.00015	<0.00011	<0.00026	--	--	--
	12/18/2014	0.0000812	<0.00015	<0.00011	<0.00026	--	--	--
	12/15/2015	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	12/13/2016	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	7/06/2017	<0.000176	<0.000198	<0.000212	0.000585 J	<0.05	0.179	<0.0989
	11/16/2017	<0.000176	<0.000198	<0.000212	<0.000366	<0.05	0.0869 J	<0.0858
	11/12/2018	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	3/11/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/15/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-8	2/10/1998	0.316	<0.001	0.0094	0.0284	--	--	--
	5/12/1998	0.449	<0.001	0.0139	0.0629	--	--	--
	8/7/1998	0.509	<0.001	0.0071	0.0429	--	--	--
	11/4/1998	0.408	<0.001	<0.001	0.0145	--	--	--
	2/10/1999	0.261	<0.001	<0.001	0.0061	--	--	--
	5/17/1999	0.205	0.00102	<0.001	0.00725	--	--	--
	8/18/1999	0.265	0.00209	0.00106	0.0096	--	--	--
	11/30/1999	0.26	<0.002	0.0021	0.0160	--	--	--
	4/10/2000	0.2	0.0044	<0.002	0.0095	--	--	--
	6/29/2000	0.024	<0.002	<0.002	<0.002	--	--	--
	9/29/2000	0.284	<0.002	6.6	<0.002	--	--	--
	12/21/2000	<0.002	<0.002	<0.002	0.0067	--	--	--
	3/27/2001	0.015	<0.002	<0.002	<0.002	--	--	--
	6/27/2001	0.085	<0.002	<0.002	<0.002	--	--	--
	9/25/2001	0.03	0.0037	<0.002	<0.002	--	--	--
	10/29/2001	0.053	<0.0005	0.0047	<0.0005	--	--	--
	1/25/2002	0.11	<0.0005	0.0023	0.0098	--	--	--
	5/23/2002	0.2	<0.0025	0.0079	0.017	--	--	--
	8/15/2002	0.8	<0.0005	0.0044	0.0073	--	--	--
	3/6/2003	0.3	0.0004	0.002	0.0027	--	--	--
	5/15/2003	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/26/2003	0.891	<0.001	0.0266	0.0131	--	--	--
	11/25/2003	0.0819	<0.001	0.0023	0.0052	--	--	--
	5/18/2004	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/27/2004	<0.001	<0.001	<0.001	<0.003	--	--	--
	11/17/2004	0.157	<0.001	0.0136	0.027	--	--	--
	2/17/2005	0.159	<0.001	0.0059	0.0138	--	--	--
	5/19/2005	<0.001	0.0017	0.0034	0.001 J	--	--	--
	8/24/2005	<0.001	<0.001	0.0026	<0.002	--	--	--
	11/9/2005	0.164	0.00036 J	0.011	0.03	--	--	--
	2/20/2006	0.0852	<0.001	0.0083	0.0176	--	--	--
	5/24/2006	36.3	<0.001	0.005	0.0097	--	--	--
	8/10/2006	0.00057 J	<0.001	0.0034	0.0064	--	--	--
	12/27/2006	0.0256	<0.001	0.0046	0.009	--	--	--
	2/27/2007	0.0281	<0.001	0.0055	0.0114	--	--	--
	5/25/2007	0.0196	<0.001	0.005	0.0098	--	--	--

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-8 (Cont'd)	8/23/2007	<0.005	<0.005	<0.005	<0.010	--	--	--
	11/28/2007	<0.002	<0.002	<0.002	0.00045 J	--	--	--
	2/13/2008	0.006	<0.002	0.00071 J	<0.006	--	--	--
	5/8/2008	<0.001	<0.001	<0.001	<0.002	--	--	--
	8/27/2008	<0.001	<0.001	<0.001	<0.003	--	--	--
	11/18/2008	<0.002	<0.002	<0.002	<0.006	--	--	--
	2/18/2009	0.00065 J	<0.001	<0.001	<0.002	--	--	--
	5/5/2009	0.00024 J	<0.001	<0.001	<0.002	--	--	--
	8/28/2009	<0.001	<0.001	<0.001	<0.002	--	--	--
	11/4/2009	<0.001	<0.001	<0.001	<0.002	--	--	--
	2/18/2010	<0.001	<0.001	<0.001	<0.002	--	--	--
	5/26/2010	0.00081 J	<0.002	<0.002	<0.006	--	--	--
	8/26/2010	<0.002	<0.002	<0.002	<0.006	--	--	--
	11/9/2010	<0.002	<0.002	<0.002	<0.006	--	--	--
	19/12/2013	0.003	<0.00015	<0.00011	<0.00026	--	--	--
	12/18/2014	<0.00008	<0.00015	<0.00011	<0.00026	--	--	--
	12/15/2015	0.000802 J	<0.000198	<0.000212	<0.000366	--	--	--
	12/13/2016	0.00184	<0.000198	<0.000212	<0.000366	--	--	--
	7/06/2017	0.000814 J	<0.000198	<0.000212	<0.000366	<0.05	<0.0989	<0.0989
	11/16/2017	<0.000538	<0.000198	<0.000212	<0.000366	<0.05	0.125	<0.0875
	11/12/2018	0.00141	<0.000198	<0.000212	<0.000366	--	--	--
	3/12/2019	0.000957 J	<0.000198	<0.000212	<0.000366	--	--	--
	10/14/2019	0.000781 J	<0.000198	0.000266 J	<0.000366	--	--	--
	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-9	2/10/1998	0.0731	<0.001	0.0071	0.0075	--	--	--
	5/12/1998	0.0895	<0.001	0.00851	0.00561	--	--	--
	8/7/1998	0.077	<0.001	0.00708	0.005	--	--	--
	11/4/1998	0.0898	<0.001	0.00942	0.0109	--	--	--
	2/10/1999	0.077	<0.001	0.0081	0.006	--	--	--
	5/17/1999	0.0783	<0.001	0.00754	0.00363	--	--	--
	8/18/1999	0.0764	<0.001	0.00721	0.00497	--	--	--
	11/30/1999	0.082	<0.002	0.0075	0.0053	--	--	--
	4/10/2000	0.048	0.0021	0.0047	0.0059	--	--	--
	6/29/2000	0.1	<0.002	0.0092	<0.002	--	--	--
	9/29/2000	0.095	<0.002	0.011	0.009	--	--	--
	12/21/2000	0.086	<0.002	0.0071	0.012	--	--	--
	3/27/2001	0.061	<0.002	0.0057	<0.002	--	--	--
	6/27/2001	0.087	<0.002	0.0077	<0.002	--	--	--
	9/25/2001	0.023	0.002	0.0022	<0.002	--	--	--
	10/29/2001	0.12	<0.0005	0.0024	0.0051	--	--	--
	12/26/2001	0.034	0.0011	0.0099	0.017	--	--	--
	1/25/2002	0.022	<0.0005	0.0044	0.003	--	--	--
	2/21/2002	0.048	<0.0005	0.0074	0.0045	--	--	--
	5/23/2002	0.0014	<0.0005	<0.0005	<0.001	--	--	--
	8/15/2002	0.0117	<0.0005	0.0021	0.0009	--	--	--
	3/6/2003	0.0002	0.0002	<0.001	0.0008	--	--	--
	5/15/2003	<0.001	<0.001	<0.001	<0.003	--	--	--
	8/26/2003	0.0293	<0.001	<0.001	<0.003	--	--	--
	11/25/2003	0.0086	<0.001	0.0011	<0.003	--	--	--
	5/18/2004	0.0152	<0.001	0.0025	<0.003	--	--	--
	8/27/2004	0.0295	<0.001	0.004	0.0018	--	--	--
	11/17/2004	0.0359	<0.001	0.0052	0.0022	--	--	--
	2/17/2005	0.0517	<0.001	0.0083	0.0037	--	--	--
	5/19/2005	0.133	<0.001	0.0289	0.0135	--	--	--
	8/24/2005	0.0565	<0.001	0.0126	0.0049	--	--	--
	11/9/2005	0.076	<0.001	0.0188	0.0069	--	--	--
	2/20/2006	0.0779	<0.001	0.0191	0.0071	--	--	--
	5/24/2006	0.0734	<0.001	0.0177	0.0066	--	--	--

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-9 (Cont'd)	8/10/2006	0.0887	<0.001	0.0225	0.0093	--	--	--
	12/27/2006	0.0769	<0.001	0.019	0.0063	--	--	--
	2/27/2007	0.0448	<0.001	0.0092	0.0028	--	--	--
	5/25/2007	0.082	<0.001	0.0196	0.0065	--	--	--
	8/23/2007	0.0881	<0.001	0.0212	0.0138	--	--	--
	11/28/2007	0.0909	<0.002	0.0204	0.007	--	--	--
	2/13/2008	0.0844	<0.002	0.0221	0.0092	--	--	--
	5/8/2008	0.0718	<0.001	0.0202	0.008	--	--	--
	8/27/2008	0.0879	<0.001	0.0234	0.0107	--	--	--
	11/18/2008	0.0953	<0.002	0.0228	0.0095	--	--	--
	2/18/2009	0.0913	<0.001	0.0257	0.0095	--	--	--
	5/5/2009	0.0554	0.00042 J	0.0137	0.0068	--	--	--
	8/28/2009	0.0631	<0.001	0.009	0.0046	--	--	--
	11/4/2009	0.0694	<0.001	0.0092	0.0042	--	--	--
	2/18/2010	0.0707	<0.001	0.0097	0.0052	--	--	--
	5/26/2010	0.0918	<0.002	0.0188	0.0109	--	--	--
	8/26/2010	0.0723	<0.002	0.0128	0.0045 J	--	--	--
	11/9/2010	0.0866	0.00066 J	0.0187	0.0099	--	--	--
	2/7/2011	0.0901	<0.002	0.0225	0.0102	--	--	--
	5/16/2011	0.0995	<0.001	0.0307	0.0179	--	--	--
	8/31/2011	0.112	<0.001	0.0356	0.0172	--	--	--
	11/8/2011	0.113	<0.001	0.0376	0.0189	--	--	--
	2/22/2012	0.136	<0.001	0.0462	0.022	--	--	--
	12/19/2013	0.186	0.000246 J	0.0575	0.015	--	--	--
	12/18/2014	0.0461	<0.00015	0.0183	0.0155	--	--	--
	12/15/2015	0.104	0.00023 J	0.0415	0.0142	--	--	--
	12/13/2016	0.097	<0.000198	0.0374	0.0103	--	--	--
	7/06/2017	0.103	<0.000198	0.0429	0.0215	0.638	0.349	<0.0948
	11/16/2017	0.127	<0.000198	0.0397	0.0108	0.613	0.183	<0.085
	11/12/2018	0.124	<0.000198	0.05240	0.0051	--	--	--
	3/12/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/14/2019	0.130	<0.000198	0.0590	0.0120	--	--	--
	11/16/2020	0.079	<0.00041	0.0410	0.0062 J	--	--	--
	11/16/2020 (duplicate)	0.083	<0.00041	0.0350	0.0052 J	--	--	--
	11/08/2021	0.042	<0.00041	0.022	0.0034 J	--	--	--
	11/8/2021 (Dup-01)	0.038	<0.00041	0.017	0.0027 J	--	--	--

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-11	7/06/2017	<0.000176	0.000309 J	<0.000212	0.000913 J	<0.05	0.129	0.229
	11/16/2017	<0.000176	<0.000198	<0.000212	<0.000366	<0.05	<0.0858	<0.0858
	11/13/2018	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	3/11/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/15/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	0.0026	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
MW-12	7/06/2017	0.000647 J	0.000426 J	0.000602 J	0.00268	0.748	0.267	<0.0989
	11/16/2017	0.00153	<0.000198	0.000617 J	0.00729	0.292	0.271	<0.0798
	11/13/2018	0.00323	<0.000198	<0.000212	<0.000366	--	--	--
	3/12/2019	0.000576 J	<0.000198	<0.000212	<0.000366	--	--	--
	10/15/2019	0.000258 J	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2021	PSH in well, no sample collected						
MW-13	7/06/2017	4.09	0.137	0.664	6.19	35.6	0.511	<0.0989
	11/16/2017	2.22	<0.00396	0.369	2.03	9.22 J	0.876	<0.0813
	11/13/2018	3.72	<0.00396	0.746	4.73	--	--	--
	3/12/2019	3.27	<0.00396	0.882	1.06	--	--	--
	10/14/2019	0.25	<0.000198	0.108	0.00441	--	--	--
	11/16/2020	2.2	<0.00041	0.22	0.042 J	--	--	--
	11/08/2021	1.1	<0.00041	0.054	<0.0016	--	--	--
MW-14	7/06/2017	<0.000176	<0.000198	<0.000212	0.000529 J	<0.05	0.212	0.212
	11/16/2017	<0.000176	<0.000198	<0.000212	<0.000366	<0.05	<0.0827	<0.0827
	11/12/2018	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	3/12/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/14/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
MW-15	7/07/2017	4.37	0.00162	0.159	2.17	19.1 J	0.419	<0.0989
	11/16/2017	6.90	<0.0099	0.122	1.87	24.6	0.669	<0.0827
	11/12/2018	3.50	<0.00396	0.0646	0.0284 J	--	--	--
	3/12/2019	2.94	<0.00396	0.00691 J	<0.00732	--	--	--
	10/14/2019	2.64	<0.000198	0.0183	0.0351	--	--	--
	11/16/2020	1.1	<0.00041	0.035	0.017 J	--	--	--
	11/08/2021	0.46	<0.0021	0.026	0.021 J	--	--	--

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-16	7/06/2017	2.07	0.000943 J	0.442	3.96	21.7	1.02	<0.0989
	11/16/2017	1.9	<0.0099	0.456	2.65	19.4	3.02	<0.0875
	11/12/2018	1.18	<0.00396	0.43	0.90	--	--	--
	3/12/2019	1.15	<0.00396	0.576	1.42	--	--	--
	10/14/2019	0.912	<0.00396	0.632	1.46	--	--	--
	11/16/2020	0.67	<0.0021	0.50	1.3	--	--	--
MW-17	11/08/2021	0.56	0.0047 J	0.32	1.4 F1UJ	--	--	--
	4/15/2019	3.83	0.329	<0.0053	3.65	--	--	--
	10/15/2019	9.83	1.86	0.118	7.00	--	--	--
	11/16/2020	Insufficient water in well, no sample collected						
MW-18	11/08/2021	Insufficient water in well, no sample collected						
	4/15/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/15/2019	0.000396 J	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
MW-19	11/08/2021	0.00024 J	<0.00041	<0.00050	<0.0016	--	--	--
	3/12/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/14/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
MW-20	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	3/12/2019	PSH in well, no sample collected						
	10/15/2019	PSH in well, no sample collected						
	11/16/2020	PSH in well, no sample collected						
MW-21	11/08/2021	PSH in well, no sample collected						
	3/12/2019	0.307	0.186	0.0854	0.427	--	--	--
	10/14/2019	1.04	0.00811	0.126	0.397	--	--	--
	11/16/2020	0.82	<0.0021	0.058	0.80	--	--	--
MW-22	11/08/2021	Insufficient water in well, no sample collected						
	3/12/2019	Insufficient water in well, no sample collected						
	10/15/2019	Insufficient water in well, no sample collected						
	11/17/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
MW-23	11/08/2021	0.00074 J	<0.00041	0.0044	<0.0016	--	--	--
	4/15/2019	<0.00088	<0.00099	<0.00106	<0.00183	--	--	--
	10/15/2019	Insufficient water in well, no sample collected						
	11/16/2020	Insufficient water in well, no sample collected						
MW-23	11/08/2021	Insufficient water in well, no sample collected						

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-24	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
MW-25	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
MW-26	11/08/2021	0.12	0.0031	0.023	0.0054 J	--	--	--
	11/8/2021 (Dup-02)	0.13	0.0037	0.029	0.0071 J	--	--	--
PMW-1a	7/07/2017	<0.000176	<0.000198	<0.000212	<0.000366	<0.05	0.376	0.194
	11/17/2017	<0.000176	<0.000198	<0.000212	<0.000366	<0.05	<0.0784	<0.0784
	11/13/2018	<0.000176	<0.000198	<0.000212	0.00628 J	--	--	--
	4/16/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/15/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	Well not accessed or sampled						
PMW-2	7/07/2017	2.15	2.81	0.0318	1.64	17.6	1.24	0.19
	11/17/2017	9.61	9.47	0.262	4.01	54.3 J	1.19	<0.0784
	11/13/2018	2.42	5.97	0.029 J	6.84	--	--	--
	3/12/2019	6.92	0.0579	0.117	1.05	--	--	--
	10/15/2019	7.82	8.36	0.149	2.93	--	--	--
	11/16/2020	Well not accessed or sampled						
PMW-4a	7/07/2017	<0.000176	<0.000198	<0.000212	<0.000366	<0.05	0.391	0.283
	11/16/2017	<0.000176	<0.000198	<0.000212	<0.000366	<0.05	<0.0875	<0.0875
	11/13/2018	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	4/16/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	10/15/2019	<0.000176	<0.000198	<0.000212	<0.000366	--	--	--
	11/16/2020	Well not accessed or sampled						

Table 4
Summary of BTEX and TPH Groundwater Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)	TPH ORO (mg/L)
NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE

Notes:

-- = not analyzed

< or ND = not detected above the method detection limit

^+ = Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

B = Compound was found in the blank and sample.

DRO = diesel range organics

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

F2 = MS/MSD RPD exceeds control limits.

GRO = gasoline range organics

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

J = analyte was positively identified and the quantitation is an estimation.

J- = analyte was positively identified and the quantitation is an estimation with a potentially low bias.

J+ = analyte was positively identified and the quantitation is an estimation with a potentially high bias.

mg/L = milligram(s) per liter

NE = not established

NMWQCC = New Mexico Water Quality Control Commission

ORO = oil range organics

PSH = Phase-separated Hydrocarbons

TPH = total petroleum hydrocarbons

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

Bold text indicates a detected concentration

Highlighted cells indicate a concentration exceeding the applicable NMWQCC standard

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals										
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015
W-2	9/25/2001	4.2	<0.005	0.029	--	<0.004	400	<0.01	<0.05	0.015	4.6	0.08
	8/15/2002	1.13	0.0049	0.0327	--	0.0008	402	0.0056	0.0035	0.116	1.76	0.0031
	8/26/2003	2.07	0.0055	<0.2	--	0.004	349	<0.01	<0.05	0.0428	1.48	<0.003
	8/27/2004	--	0.005	0.2	--	0.004	--	0.01	--	--	--	0.003
	8/24/2005	1.24	<0.005	<0.02	--	<0.004	454	<0.01	<0.05	<0.025	1.58	0.009
	10/08/2006	1.54	<0.005	<0.2	--	<0.004	399	<0.01	<0.05	<0.025	1.02	0.0102
	8/23/2007	12.8	<0.005	<0.2	--	<0.004	404	<0.01	<0.05	0.0329	10.3	0.014
	8/27/2008	--	--	--	--	--	--	--	--	--	--	--
	8/28/2009	21.0	<0.005	<0.2	--	<0.004	356	0.0127	<0.05	0.0272	16.5	0.0089
	8/26/2010	5.18	<0.005	<0.2	--	<0.004	319	<0.01	<0.05	<0.025	4.3	0.0051
	8/31/2011	6.08	<0.005	<0.2	--	<0.004	330	<0.01	<0.05	<0.025	4.75	0.0141
	12/19/2013	5.82	0.00480 J	0.0346	--	0.000900 J	384	0.00810 J	0.00790 J	0.0309	8.29	0.0106
	12/18/2014	<0.0216	<0.00328	0.0131	--	<0.00035	298	0.0036	0.0008	0.0120	<0.0866	<0.0029
	12/15/2015	<0.0926	<0.00285	0.0112 J	0.584	0.0004 J	--	0.003 J	0.0068 J	--	0.752	<0.00219
	12/13/2016	<0.0926	<0.00285	0.0078 J	--	0.0006 J	284	<0.00159	<0.00031	0.0092 J	<0.027	<0.00219
	7/06/2017	<0.0926	<0.00285	0.0107 J	0.580	<0.00028	267	0.002 J	0.000487 J	--	<0.027	<0.00219
	11/16/2017	<0.0926	<0.00285	0.0072 J	0.538	0.0005 J	277	0.0029 J	0.0004 J	--	<0.027	<0.00219
	11/13/2018	<0.0926	<0.00285	0.0101 J	0.578	0.0006 J	281	0.0031 J	0.0005 J	--	<0.027	<0.00219
	3/11/2019	<0.0926	0.003 J	0.011 J	0.554	0.0008 J	--	0.002 J	0.0017 J	--	0.00478 J	<0.00219
	10/15/2019	<0.0926	<0.00285	0.0111 J	0.558	0.0005 J	--	0.0028 J	<0.00031	--	<0.027	<0.00219
	11/16/2020	0.15 J	<0.0030	0.0094 J	0.600	<0.0010	--	<0.0050	<0.0030	<0.0080	0.19 J	0.0049 J
	11/08/2021	<0.051	<0.0030	0.0094 J	0.66	<0.0020	--	<0.0050	<0.0030	<0.0017^+	<0.075	<0.0020

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals										
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015
MW-4	9/25/2001	9.3	0.22	0.11	--	0.017	210	ND	0.28	0.82	31.0	0.17
	8/15/2002	1.37	0.0207	0.0271	--	0.0012	210	0.0102	0.191	0.158	6.5	0.0113
	8/26/2003	5.29	0.0818	0.2	--	0.01	212	0.01	0.156	0.789	12.4	0.0401
	8/26/2004	--	0.018	0.2	--	0.004	--	0.01	--	--	--	0.003
	8/24/2005	<0.2	0.0262	<0.2	--	<0.004	286	<0.01	0.144	0.0629	10.2	0.165
	8/10/2006	0.416	0.0636	<0.2	--	<0.004	245	<0.01	0.103	0.0567	31.8	0.051
	8/23/2007	9.29	0.0211	<0.2	--	<0.004	249	<0.01	0.0883	0.0683	21.7	0.014
	8/27/2008	9.81	0.0342	<0.2	--	<0.004	267	<0.01	0.094	0.15	17.7	0.0512
	8/28/2009	1.0	0.0125	<0.2	--	<0.004	234	<0.01	0.0752	0.0334	8.16	0.014
	8/26/2010	3.31	0.0175	<0.2	--	<0.004	228	<0.01	0.0576	0.0589	9.93	0.0195
	8/31/2011	1.38	0.0082	<0.2	--	<0.004	263	<0.01	0.0536	0.0268	5.38	0.0128
	12/19/2013	0.702	0.101	0.0327	--	0.00150 J	323	0.00310 J	0.201	0.0913	24.9	0.016
	12/18/2014	<0.0216	0.008	0.0335	--	<0.00035	276	0.00240	0.0452	0.0072	5.86	<0.0029
	12/15/2015	0.403 J	<0.00285	0.01 J	0.778	0.0009 J	--	0.0024 J	0.0426	--	3.65	<0.00219
	12/13/2016	<0.0926	<0.00285	0.0074 J	--	0.0008 J	280	<0.00159	0.0334	0.003 J	5.09	<0.00219
	7/06/2017	<0.0926	<0.00287	0.00916 J	0.870	<0.00028	274	<0.00159	0.0448	--	3.84	<0.00219
	11/16/2017	<0.0926	0.0035 J	0.0084 J	0.751	<0.00028	273	0.0034 J	0.026	--	5.05	<0.00219
	11/13/2018	<0.0926	0.0047 J	0.0091 J	0.788	0.0007 J	289	<0.00159	0.029	--	5.58	<0.00219
	3/11/2019	<0.0926	0.0188	0.0096 J	0.744	0.0096	--	0.0032 J	0.0896	--	1.72	<0.0149
	10/15/2019	<0.0926	<0.00285	0.0105 J	0.742	0.0006 J	--	<0.00159	0.0507	--	2.22	<0.00219
	11/16/2020	<0.051	<0.0030	0.0072 J	0.720	<0.0010	--	<0.0050	0.0630	<0.0080	2.0	0.0033 J
	11/08/2021	<0.051	<0.0030	0.0079 J	0.85	<0.0020	--	<0.0050	0.049	<0.017^+	9.2	<0.0020

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San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals										
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015
MW-6	9/25/2001	22.0	<0.005	0.015	--	0.012	400	<0.01	0.26	0.046	2.9	0.25
	8/15/2002	13.6	0.0078	0.0139	--	0.0109	388	0.0303	0.202	0.0434	0.986	0.005
	8/26/2003	24.5	0.005	0.2	--	0.0133	343	0.01	0.236	0.0807	5.51	0.0039
	8/27/2004	--	0.005	0.2	--	0.0102	--	0.01	--	--	--	0.003
	8/24/2005	14.5	<0.005	<0.2	--	0.0114	447	<0.01	0.219	0.0378	0.427	0.0103
	8/10/2006	6.45	<0.005	<0.2	--	0.0068	389	<0.01	0.123	<0.025	0.296	0.0076
	8/23/2007	12.6	<0.005	<0.2	--	0.0081	325	<0.01	0.161	0.0387	3.78	0.011
	8/27/2008	--	--	--	--	--	--	--	--	--	--	--
	8/28/2009	16.8	<0.005	<0.2	--	0.0095	359	<0.01	0.176	0.0383	3.44	0.0044
	8/26/2010	19.2	<0.005	<0.2	--	0.0114	331	<0.01	0.199	0.042	4.6	0.0151
	8/31/2011	16.3	<0.005	<0.2	--	0.0131	350	<0.01	0.227	0.0479	1.04	0.0187
	12/19/2013	14.8	<0.00328	0.0108 J	--	0.0116	389	<0.00155	0.238	0.045	0.418	<0.00290
	12/18/2014	6.99	<0.00328	0.0100	--	0.00730	393	0.00180	0.128	0.0541	<0.0866	<0.0029
	12/15/2015	12.3	<0.00285	0.0103 J	0.737	0.0103	--	0.0018 J	0.196	--	0.148 J	<0.00219
	12/13/2016	15.1	<0.00285	0.0055 J	--	0.0123	386	<0.00159	0.228	0.0657	0.0696 J	<0.00219
	7/06/2017	14.6	<0.00285	0.00722 J	0.851	0.00887	336	<0.00159	0.192	--	<0.027	<0.00219
	11/16/2017	14.2	<0.00285	0.0055 J	0.748	0.0116	364	0.0025 J	0.203	--	0.139 J	0.0032 J
	11/12/2018	17.1	0.0114	0.0078 J	0.872	0.0194	387	<0.00159	0.278	--	0.518	0.0056 J
	3/11/2019	17.5	<0.00285	0.0087 J	0.775	0.0125	--	<0.00159	0.259	--	0.414	<0.00219
	10/15/2019	16.5	<0.00285	0.0111 J	0.761	0.0112	--	<0.00159	0.236	--	0.386 J	<0.00219
	11/16/2020	17.0	<0.0030	0.0060 J	0.80	0.012	--	<0.0050	0.28	0.0280	0.200	0.0082 J
	11/08/2021	15	<0.0030	0.0065 J	0.84	0.0099	--	<0.0050	0.23	0.049	0.083 J	0.0027 J

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San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals										
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015
MW-8	11/30/1999	--	--	--	--	--	--	--	--	--	0.16	--
	4/10/2000	--	--	--	--	--	--	--	--	--	1.8	--
	6/29/2000	--	--	--	--	--	--	--	--	--	0.32	--
	9/29/2000	--	--	--	--	--	--	--	--	--	0.32	--
	12/21/2000	--	--	--	--	--	--	--	--	--	0.16	--
	3/27/2001	--	--	--	--	--	--	--	--	--	1.1	--
	6/27/2001	--	--	--	--	--	--	--	--	--	1.1	--
	9/25/2001	0.24	<0.005	0.019	--	<0.004	370	<0.01	<0.05	<0.025	2.5	0.25
	10/29/2001	--	--	--	--	--	310	--	--	--	0.87	--
	8/15/2002	0.508	0.0238	0.029	--	0.002	67.2	1.08	0.007	0.014	6.89	0.005
	8/26/2003	1.62	0.008	0.2	--	0.004	354	0.01	0.05	0.0414	2.39	0.003
	8/27/2004	--	0.0207	0.2	--	0.004	--	0.01	--	--	--	0.0074
	8/24/2005	0.634	0.0062	<0.2	--	<0.004	155	<0.01	<0.05	<0.025	0.831	0.0069
	8/10/2006	0.219	0.0074	<0.2	--	<0.004	91.6	<0.01	<0.05	<0.025	<0.1	0.0051
	8/23/2007	1.3	<0.005	<0.2	--	<0.004	69.5	<0.01	<0.05	<0.025	0.855	0.0048
	8/27/2008	3.26	0.0055	<0.2	--	<0.004	101	<0.01	<0.05	<0.025	1.97	0.0043
	8/28/2009	5.34	0.0122	<0.2	--	<0.004	34.3	0.013	<0.05	<0.025	3.07	0.0039
	8/26/2010	5.21	0.03	<0.2	--	<0.004	36.2	0.018	<0.05	<0.025	3.83	0.0087
	12/19/2013	0.651	<0.00328	0.0414	--	<0.00035	57.3	<0.00155	0.0017 J	0.0102	0.65	<0.0029
	12/18/2014	<0.0216	0.0051	0.0322	--	<0.00035	63.1	0.0017	<0.00063	0.0137	<0.0866	<0.0029
	12/15/2015	<0.0926	0.0037 J	0.0666	0.236	0.0003 J	--	<0.00159	0.0025 J	--	5.02	<0.00219
	12/13/2016	0.348 J	<0.00285	0.0555	--	0.0005 J	73.5	<0.00159	0.0012 J	0.0017 J	2.35 J	<0.00219
	7/6/2017	0.381 J	<0.00285	0.0508	0.21	<0.00028	87.7	<0.00159	0.00126 J	--	6.81	<0.00219
	11/16/2017	6.96	<0.00285	0.0549	0.201	0.0003 J	74.9	0.004 J	0.0018 J	--	8.83	0.0113
	11/12/2018	<0.0926	<0.00285	0.0254	0.28	0.0021 J	70.5	<0.00159	0.0028 J	--	2.01	<0.00219
	3/12/2019	0.198 J	<0.00285	0.0263	0.286	0.0005 J	--	<0.00159	0.0008 J	--	2.06	<0.00219
	10/14/2019	4.85	0.0038 J	0.0377	0.298	0.0009 J	--	0.0023 J	0.0041 J	--	4.89	<0.00219
	11/16/2020	<0.051	0.0054 J	0.025	0.33	<0.0010	--	<0.0050	<0.0030	<0.0080	2.2	0.0028 J
	11/8/2021	0.32	<0.015	0.016	0.39	<0.0020	--	<0.0050	0.0037 J	<0.017^+	0.26	<0.0020

Table 5
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San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals										
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015
MW-9	11/30/1999	--	--	--	--	--	--	--	--	--	2.2	--
	4/10/2000	--	--	--	--	--	--	--	--	--	2.7	--
	6/29/2000	--	--	--	--	--	--	--	--	--	0.85	--
	9/29/2000	--	--	--	--	--	--	--	--	--	1.2	--
	12/21/2000	--	--	--	--	--	--	--	--	--	--	--
	3/27/2001	--	--	--	--	--	--	--	--	--	1.4	--
	6/27/2001	--	--	--	--	--	--	--	--	--	3.7	--
	9/25/2001	7.0	<0.005	0.0088	--	<0.004	340	<0.01	0.18	0.031	3.3	0.2
	10/29/2001	--	--	--	--	--	310	--	--	--	0.13	--
	8/15/2002	8.9	0.0088	0.0119	--	0.0084	358	0.0078	0.183	0.0512	0.849	0.005
	8/26/2003	43.9	0.0061	0.2	--	0.0094	319	0.0169	0.2	0.162	29	0.0135
	8/27/2004	--	0.005	0.2	--	0.0081	--	0.0104	--	--	--	0.007
	8/24/2005	13.6	<0.005	<0.2	--	0.0089	385	<0.01	0.212	0.059	4.39	0.0111
	8/10/2006	9.77	<0.005	<0.2	--	0.0082	346	<0.01	0.193	0.0458	1.48	0.0087
	8/23/2007	16.3	<0.005	<0.2	--	<0.004	108	<0.01	0.205	0.121	6.33	0.0084
	8/27/2008	14.5	<0.005	<0.2	--	0.0085	361	<0.01	0.197	0.0629	3.66	0.0051
	8/28/2009	14.7	<0.005	<0.2	--	0.0063	314	<0.01	0.228	0.043	8.93	0.0065
	8/26/2010	11.1	<0.005	<0.2	--	0.0061	300	<0.01	0.235	0.0335	7.4	0.014
	8/31/2011	14.0	<0.005	<0.2	--	0.0082	318	<0.01	0.187	0.0682	7.83	0.0239
	12/19/2013	11.6	<0.00328	0.0098 J	--	0.009	375	0.0017 J	0.216	0.0895	7.75	<0.00290
	12/18/2014	9.64	<0.00328	0.0191	--	0.00940	352	0.00450	0.228	0.1600	18.5	0.004
	12/15/2015	9.03	<0.00285	0.021	0.679	0.0069	--	0.0029 J	0.185	--	19.6	<0.00219
	12/13/2016	15.5	<0.00285	0.0134 J	--	0.0084	379	0.0023 J	0.224	0.0803	31.4	<0.00219
	7/06/2017	11.3	<0.00285	0.00973 J	0.811	0.00577	316	<0.00159	0.232	--	31.6	<0.00219
	11/16/2017	11.3	<0.00285	0.0077 J	0.719	0.0075	339	0.0034 J	0.266	--	27.9	<0.00219
	11/12/2018	11.9	<0.00285	0.0099 J	0.758	0.0096	373	<0.00159	0.245	--	10.6	<0.00219
	3/12/2019	10.4	<0.00285	0.0094 J	0.726	0.0092	--	<0.00159	0.271	--	1.32	<0.00219
	10/14/2019	9.8	<0.00285	0.0097 J	0.714	0.0072	--	0.0016 J	0.242	--	34.3	<0.00219
	11/16/2020	9.2	<0.0030	0.0087 J	0.70	0.0063	--	<0.0050	0.25	0.026	16	0.00599 J
	11/16/2020 (duplicate)	9.0	<0.0030	0.0091 J	0.68	0.0060	--	<0.0050	0.25	0.025	16	0.0048 J
	11/08/2021	9.4	<0.0030	0.0093 J	0.77	0.0042 J	--	<0.0050	0.24	0.044	13	<0.0020
	11/8/2021 (Dup-01)	9.5	<0.0030	0.011	0.77	0.0048 J	--	<0.0050	0.24	0.047	13	0.011

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Analyte		Dissolved Metals										
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015
MW-11	7/06/2017	<0.0926	<0.00285	0.0183 J	0.375	<0.00028	452	<0.00159	0.00393 J	--	<0.027	<0.00219
	11/16/2017	<0.0926	<0.00285	0.014 J	0.335	0.0005 J	447	0.0019 J	0.0012 J	--	<0.027	<0.00219
	11/13/2018	<0.0926	<0.00285	0.0182 J	0.379	0.0008 J	509	<0.00159	0.0008 J	--	0.0631 J	<0.00219
	3/11/2019	0.14 J	0.0035 J	0.0201	0.357	0.0011 J	--	<0.00159	0.0008 J	--	0.152 J	<0.0036
	10/15/2019	<0.0926	<0.00285	0.0178 J	0.348	0.0008 J	--	<0.00159	<0.00031	--	0.0852 J	<0.00219
	11/16/2020	<0.051	<0.0030	0.018	0.38	<0.0010	--	<0.0050	0.0043 J	<0.0080	1.0	0.0063 J
	11/08/2021	<0.051	<0.0030	0.013	0.47	<0.0020	--	<0.0050	0.0033 J	<0.017^+	1.1	<0.0020
MW-12	7/06/2017	<0.0926	0.00285	0.0194	0.4	<0.00028	461	<0.00159	0.0301	--	3.15	<0.00219
	11/16/2017	<0.0926	<0.00285	0.0105 J	0.332	0.0004 J	488	0.0028 J	0.0203	--	0.881	<0.00219
	11/13/2018	<0.0926	<0.002825	0.0187 J	0.385	0.0009 J	424	<0.00159	0.0122	--	26.6	<0.00219
	3/12/2019	<0.0926	<0.00285	0.014 J	0.339	0.0007 J	--	<0.00159	0.0217	--	1.06	<0.00219
	10/15/2019	<0.0926	<0.00285	0.0161 J	0.341	0.0007 J	--	<0.00159	0.0108	--	2.19	<0.00219
	11/16/2020	<0.051	<0.0030	0.014	0.36	<0.0010	--	<0.0050	0.0089 J	<0.0080	2.0	0.0051 J
	11/08/2021	PSH in well, no sample collected										
MW-13	7/06/2017	<0.0926	0.0405	0.0443	0.747	<0.00028	227	0.00239 J	0.00428 J	--	7.34	<0.00219
	11/16/2017	<0.0926	0.0231	0.0247	0.429	0.0008 J	332	0.0046 J	0.003 J	--	8.72	<0.00219
	11/13/2018	<0.0926	<0.00285	0.0242	0.33	0.001 J	331	0.0016 J	0.0005 J	--	14.7	<0.00219
	3/12/2019	<0.0926	<0.00285	0.0231	0.248	0.0009 J	--	0.0019 J	0.002 J	--	23.8	<0.00219
	10/14/2019	<0.0926	<0.00285	0.0169 J	0.148 J	0.0007 J	--	<0.00159	<0.00031	--	9.5	0.0029 J
	11/16/2020	<0.051	0.0034 J	0.019	0.27	<0.0010	--	<0.0050	<0.0030	<0.0080	6.0	0.0037 J
	11/08/2021	<0.051	<0.0030	0.0064 J	0.32	<0.0020	--	<0.0050	<0.0030	<0.017^+	3.0	<0.0020
MW-14	7/06/2017	<0.0926	<0.00285	0.0114 J	0.689	<0.00193	392	<0.00159	0.00813 J	--	<0.027	<0.00219
	11/16/2017	0.349 J	<0.00285	0.0076 J	0.682	0.0024 J	391	0.003 J	0.0034 J	--	0.212 J	<0.00219
	11/12/2018	<0.00926	<0.00285	0.0086 J	0.703	0.0017 J	429	<0.00159	0.0018 J	--	0.00602 J	<0.00219
	3/12/2019	<0.00926	0.0157	0.0089 J	0.611	0.0137	--	0.0027 J	0.0243	--	0.145 J	0.0155
	10/14/2019	<0.00926	<0.00285	<0.0084	0.699	0.002 J	--	0.0016 J	0.0015 J	--	0.289 J	<0.00219
	11/16/2020	<0.051	<0.0030	0.0092 J	0.67	<0.0010	--	<0.0050	<0.0030	<0.0080	0.56	0.0059 J
	11/08/2021	<0.051	<0.0030	0.027	0.80	<0.0020	--	<0.0050	<0.0030	<0.017^+	0.42	<0.0020

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals										
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015
MW-15	7/07/2017	<0.0926	0.003 J	0.0288	0.702	<0.0012	468	0.0025 J	0.0108	--	4.88	<0.00219
	11/16/2017	<0.0926	<0.00285	0.011 J	0.733	0.0006 J	448	0.0031 J	0.0053 J	--	8.99	<0.00219
	11/12/2018	<0.00285	<0.00285	0.0095 J	0.8	0.0009 J	458	<0.00159	0.0022 J	--	7.12	<0.00219
	3/12/2019	<0.0926	<0.00285	0.0088 J	0.768	0.0004 J	--	0.00159 J	0.0017 J	--	6.33	<0.00219
	10/14/2019	<0.0926	<0.00285	0.0094 J	0.76	0.001 J	--	<0.00159	0.001 J	--	6.75	<0.00219
	11/16/2020	<0.051	0.0035 J	0.0092 J	0.75	<0.0010	--	<0.0050	<0.0030	<0.0080	5.7	0.0045 J
	11/08/2021	<0.051	<0.0030	0.0088 J	0.83	<0.0020	--	<0.0050	<0.0030	<0.017^+	6.5	0.0037 J
MW-16	7/06/2017	0.107 J	0.0273	0.0466	1.03	<0.00028	244	<0.00159	0.000775 J	--	0.483	<0.00219
	11/16/2017	<0.0926	0.0171	0.0179 J	1.01	0.0004 J	222	0.002 J	<0.00031	--	0.0723 J	<0.00219
	11/12/2018	<0.0926	<0.00285	0.0214	1.15	0.0006 J	93.3	<0.00159	<0.00031	--	<0.027	<0.00219
	3/12/2019	<0.0926	<0.00285	0.243	1	0.0006 J	--	<0.00159	0.0004 J	--	0.0428 J	<0.00219
	10/14/2019	<0.0926	<0.00285	0.0203	0.939	0.0011 J	--	<0.00159	<0.00031	--	0.0856 J	<0.00219
	11/16/2020	<0.0051	0.0050 J	0.015	0.86	<0.0010	--	<0.0050	<0.0030	<0.0080	<0.075	0.0043 J
	11/08/2021	<0.0051 F1UJ	<0.0030 F1,F2	0.0047 JF1J-	0.83	<0.0020 F1UJ	--	<0.0050 F1UJ	<0.0030	<0.017^+ F1UJ	<0.075 F1	<0.0020 F1UJ
MW-17	4/15/2019	Insufficient water in well, no sample collected										
	10/15/2019	Insufficient water in well, no sample collected										
	11/16/2020	Insufficient water in well, no sample collected										
	11/08/2021	Insufficient water in well, no sample collected										
MW-18	4/15/2019	0.221 J	<0.00285	0.0254	0.882	0.013 J+	--	0.0023 J	0.128	--	0.0822 J	<0.00219
	10/15/2019	0.741	<0.00285	0.0179 J	0.887	0.0031 J	--	0.0017 J	0.133	--	5.47	0.0023 J
	11/16/2020	0.46	<0.0030	0.011	0.95	0.0015 J	--	<0.0050	0.14	<0.0080	6.6	0.0075 J
	11/08/2021	0.47	<0.0030	0.011	1.0	<0.0020	--	<0.0050	0.13	<0.017^+	8.7	<0.0020
MW-19	3/12/2019	<0.0926	<0.00285	0.0088 J	0.798	0.0126	--	<0.00159	0.0703	--	<0.027	<0.00219
	10/14/2019	<0.0926	<0.00285	<0.0089	0.78	0.0113	--	0.0019 J	0.066	--	0.0789 J	<0.00219
	11/16/2020	0.059 J	<0.0030	0.011	0.78	0.010	--	<0.0050	0.065	<0.0080	<0.075	0.0054 J
	11/08/2021	<0.051	<0.0030	0.0073 JF1J-	0.88	0.010	--	<0.0050	0.065	<0.017^+	<0.075	<0.0020 F1UJ
MW-20	3/12/2019	PSH in well, no sample collected										
	10/14/2019	PSH in well, no sample collected										
	11/16/2020	PSH in well, no sample collected										
	11/08/2021	PSH in well, no sample collected										
MW-21	3/12/2019	<0.0926	<0.00285	0.0302	0.594	0.0005 J	--	<0.00159	0.0052 J	--	1.5	<0.00219
	10/14/2019	<0.0926	<0.00285	0.0163 J	0.853	0.0009 J	--	<0.00159	<0.00031	--	11	<0.00219
	11/16/2020	0.071 J	<0.0030	0.012	0.95	<0.0010	--	<0.0050	<0.0030	<0.0080	0.73	0.0066 J
	11/08/2021	PSH in well, no sample collected										

Table 5
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San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals										
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015
MW-22	3/12/2019	Insufficient water in well, no sample collected										
	10/14/2019	Insufficient water in well, no sample collected										
	11/16/2020	Insufficient water in well, no sample collected										
	11/08/2021	<0.051	<0.0030	0.025	0.58	<0.0020	--	<0.0050	0.0033 J	<0.017^+	3.0	<0.0020
MW-23	3/12/2019	Insufficient water in well, no sample collected										
	10/14/2019	Insufficient water in well, no sample collected										
	11/16/2020	Insufficient water in well, no sample collected										
	11/08/2021	Insufficient water in well, no sample collected										
MW-24	11/08/2021	0.14 J	<0.0030	0.021	1.0	0.0041 J	--	<0.0050	0.046	<0.017^+	<0.075	<0.0020
MW-25	11/08/2021	<0.051	<0.0030	0.029	0.60	<0.0020	--	<0.0050	<0.0030	<0.017^+	<0.075	<0.0020
MW-26	11/08/2021	<0.051	<0.0030	0.027	0.87	<0.0020	--	<0.0050	<0.0030	<0.017^+	<0.075	<0.0020
	11/8/2021 (Dup-02)	<0.051	0.0069 JBJ+	0.027	0.85	<0.0020	--	<0.0050	<0.0030	<0.017^+	<0.075	<0.0020
PMW-1a	7/07/2017	<0.0926	0.0063 J	0.017 J	0.475	<0.00028	156	<0.00159	<0.0006	--	<0.0655	<0.00219
	11/17/2017	<0.0926	<0.00285	0.007 J	0.441	<0.00028	158	<0.00159	0.0004 J	--	<0.027	<0.00219
	11/13/2018	<0.0926	<0.00285	0.012 J	0.457	0.0003 J	164	<0.00159	<0.00031	--	0.102 J	<0.00219
	4/16/2019	0.37 J	<0.00285	0.0131 J	0.467	0.0004 J	--	--	0.0013 J	--	0.313 J	<0.00219
	10/15/2019	<0.0926	<0.00285	0.0303	0.434	<0.00028	--	<0.00159	<0.00031	--	<0.027	<0.00219
	11/16/2020	Well not accessed or sampled										
PMW-2	7/07/2017	<0.0926	<0.057	0.118	0.892	<0.0005	62.1	<0.00159	<0.0012	--	<0.0795	<0.00219
	11/17/2017	<0.0926	<0.00285	0.243	0.976	<0.00028	38.4	<0.00159	<0.00031	--	<0.027	<0.00219
	11/13/2018	<0.0926	<0.00285	0.0712	0.894	0.0003 J	88.7	<0.00159	0.0006 J	--	2.05	<0.00219
	3/12/2019	<0.0926	<0.00285	0.227	0.965	<0.00028	--	<0.00159	0.0004 J	--	0.0359 J	<0.00219
	10/15/2019	0.326 J	<0.00285	0.178	0.97	<0.00028	--	<0.00159	<0.00031	--	0.368 J	<0.00219
	11/16/2020	Well not accessed or sampled										
PMW-4a	7/07/2017	0.26 J	<0.00285	0.0167 J	0.622	<0.00028	253	<0.00159	0.0052 J	--	<0.027	<0.00219
	11/16/2017	<0.0926	<0.00285	0.0113 J	0.417	0.0004 J	236	0.0016 J	0.0031 J	--	0.0643 J	<0.00219
	11/13/2018	<0.0926	<0.00285	0.0178 J	0.458	0.0006 J	269	<0.00159	0.0047 J	--	<0.027	<0.00219
	4/16/2018	0.558	<0.00285	0.0183 J	0.439	0.0005 J	--	--	0.0037 J	--	0.419	<0.00219
	10/15/2019	0.118 J	<0.00285	0.0177 J	0.418	<0.00028	--	<0.00159		--	0.116 J	<0.00219
	11/16/2020	Well not accessed or sampled										

Table 5
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San Juan River Gas Plant, Kirtlans, New Mexico

Analyte	Dissolved Metals										
	Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead
NMWQCC Standard (mg/L)	5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015

Notes:
-- = not analyzed
< or ND = not detected above the method detection limit
^+ = Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B = Compound was found in the blank and sample.
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits.
H = Sample was prepped or analyzed beyond the specified holding time.
J = analyte was positively identified and the quantitation is an estimation.
J- = analyte was positively identified and the quantitation is an estimation with a potentially low bias.
J+ = analyte was positively identified and the quantitation is an estimation with a potentially high bias.
mg/L = milligram(s) per liter
NE = not established
NMWQCC = New Mexico Water Quality Control Commision
PSH = Phase-separated Hydrocarbons
Bold text indicates a detected concentration
Highlighted cells indicate a concentration exceeding the applicable NMWQCC standard
Historical data for wells abandoned prior to 2017 has been removed from this Table.

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals									
		Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)		NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10
W-2	9/25/2001	120	0.23	--	<0.01	<0.04	4.7	0.12	<0.01	1200	<0.02
	8/15/2002	108	0.216	0.00012	0.0028	0.0075	13.40	0.108	0.0028	1350	0.0733
	8/26/2003	106	0.0439	<0.0002	<0.01	<0.04	<5.0	0.0896	<0.01	1030	0.0581
	8/27/2004	--	--	0.0002	--	--	--	0.115	0.01	--	--
	8/24/2005	126	0.163	<0.0002	<0.01	<0.04	5.84	0.124	<0.01	1400	0.459
	10/08/2006	111	0.256	<0.0002	<0.01	<0.04	5.63	0.136	<0.01	1150	0.148
	8/23/2007	133	0.223	<0.0002	<0.01	<0.04	8.88	0.143	<0.01	1120	0.169
	8/27/2008	--	--	--	--	--	--	--	--	--	--
	8/28/2009	110	0.268	--	<0.01	<0.04	10.2	0.132	<0.01	1130	0.0981
	8/26/2010	103	0.0871	<0.0002	<0.01	<0.04	5.29	0.111	<0.01	1160	0.0344
	8/31/2011	97.3	0.178	<0.0002	<0.01	<0.04	<5.0	0.122	<0.01	1200	0.0552
	12/19/2013	103	0.487	<0.000082	<0.00273	0.00900 J	4.02	0.0978	0.00130 J	1260	0.156
	12/18/2014	86.6	0.005	--	0.00273	<0.0022	3.35	0.0908	<0.00125	1030	0.011
	12/15/2015	--	1.03	<0.082	0.003 J	0.0279	--	0.0762	--	--	--
	12/13/2016	84.5	<0.00036	<0.000082	<0.0029	<0.0008	3.17	0.0778	<0.00129	1170	0.0141 J
	7/06/2017	82.2	0.00118 J	<0.000082	<0.00487	<0.000966	3.09	0.1120	--	1080	--
	11/16/2017	82.4	0.0031 J	<0.000082	0.0032 J	0.0017 J	3.19	0.0803	--	1120	--
	11/13/2018	85.9	0.0029 J	<0.000103	0.0026 J	0.009 J	2.89	0.0954	--	909	--
	3/11/2019	--	0.0195	<0.000103	<0.0044	0.0052 J	--	0.0824	--	--	--
	10/15/2019	--	0.0011 J	<0.000103	0.0029 J	0.0013 J	--	0.0652	--	--	--
	11/16/2020	--	0.0190	0.000070 J	<0.0040	<0.0030	--	0.0280	<0.0010	--	<0.0080
	11/08/2021	--	0.0074 J	<0.00015	<0.0040	<0.0030	--	0.067	<0.0040	--	<0.0080

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Analyte		Dissolved Metals									
		Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)		NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10
MW-4	9/25/2001	81	6.1	--	ND	0.33	7.3	<0.005	<0.01	920	4.2
	8/15/2002	80.1	6.08	0.00061	0.0027	0.261	8.99	0.0034	0.0017	1040	0.241
	8/26/2003	88.1	6.88	0.0035	0.01	0.251	9.39	0.005	0.01	802	1.55
	8/26/2004	--	--	0.003	--	--	--	0.005	0.01	--	--
	8/24/2005	111	8.78	0.00026	<0.01	0.26	9.62	0.0058	<0.01	1190	0.159
	8/10/2006	95.3	5.8	0.00021	<0.01	0.182	8.77	<0.005	<0.01	1050	0.2
	8/23/2007	108	6.59	0.00042	<0.01	0.268	10.1	<0.005	<0.01	910	0.11
	8/27/2008	113	7.19	<0.0002	<0.01	0.229	13.1	<0.005	<0.01	1020	0.05
	8/28/2009	101	6.4	--	<0.01	0.199	8.13	<0.005	<0.01	1020	<0.02
	8/26/2010	100	5.97	0.00068	<0.01	0.203	7.86	0.0076	<0.01	1050	0.0287
	8/31/2011	105	5.03	0.00031	<0.01	238	6.75	<0.005	<0.01	1130	<0.02
	12/19/2013	123	8.77	<0.000082	0.179	0.358	8.09	0.00860 J	<0.00125	1310	0.157
	12/18/2014	113	5.95	--	<0.00273	0.183	6.1	<0.00417	0.0016	1060	0.0091
	12/15/2015	--	5.81	<0.082	0.001 J	0.186	--	0.0255 J	--	--	--
	12/13/2016	116	6.31	<0.000082	<0.00054	0.192	6.25	<0.00287	<0.00129	1250	0.0044 J
	7/06/2017	118	5.28	<0.000082	<0.00362	0.19	5.99	<0.00287	--	1170	--
	11/16/2017	115	6.52	<0.000082	0.0014 J	0.145	6.26	0.0071 J	--	1220	--
	11/13/2018	127	6.81	<0.000103	0.0008 J	0.136	6.00	<0.00287	--	988	--
	3/11/2019	--	4.98	<0.000103	0.0218	0.198	--	0.0191 J	--	--	--
	10/15/2019	--	3.94	<0.000103	0.1620	0.162	--	<0.00287	--	--	--
	11/16/2020	--	6.9	0.000075 J	<0.0040	0.33	--	<0.0080	<0.0010	--	0.012 J
	11/08/2021	--	6.4	<0.00015	<0.0040	0.20	--	<0.0080	<0.004	--	<0.0080

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Analyte		Dissolved Metals									
		Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)		NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10
MW-6	9/25/2001	420	9.6	--	<0.01	0.32	22.0	0.3	<0.01	4000	0.79
	8/15/2002	316	6.55	0.0001	0.005	0.272	29.1	0.304	0.004	4080	0.612
	8/26/2003	360	8.63	0.0002	0.0100	0.31	29.4	0.247	0.01	3830	0.729
	8/27/2004	--	--	0.0002	--	--	--	0.331	0.01	--	--
	8/24/2005	376	8.25	<0.0002	<0.01	0.275	37.6	0.618	<0.01	4370	0.764
	8/10/2006	273	4.82	<0.0002	<0.01	0.155	34.2	0.995	<0.01	3400	0.527
	8/23/2007	356	5.88	<0.0002	<0.01	0.187	39.4	0.893	<0.01	3370	0.594
	8/27/2008	--	--	--	--	--	--	--	--	--	--
	8/28/2009	315	6.83	--	<0.01	0.228	34.8	0.381	<0.01	3470	0.592
	8/26/2010	326	7.2	<0.0002	<0.01	0.305	27.6	0.335	<0.01	3620	0.692
	8/31/2011	326	8.06	<0.0002	<0.01	0.333	21.1	0.351	<0.01	3860	0.772
	12/19/2013	318	6.92	<0.000082	<0.00273	0.299	19.7	0.332	0.0023 J	3950	0.836
	12/18/2014	285	4.4	--	<0.00273	0.163	18.50	0.358	<0.00125	3510	0.367
	12/15/2015	--	5.95	<0.082	<0.00054	0.238	--	0.356	--	--	--
	12/13/2016	320	6.7	<0.000082	<0.00054	0.277	21.6	0.35	<0.00129	4070	0.665
	7/06/2017	299	6.54	<0.000082	<0.00141	0.228	17.7	0.279	--	3780	--
	11/16/2017	292	5.94	<0.000082	<0.00054	0.245	21.1	0.334	--	3900	--
	11/12/2018	349	8.19	<0.000103	0.0144	0.339	19.3	0.27 J+	--	2980	--
	3/11/2019	--	7.51	<0.000103	<0.00054	0.311	--	0.274 J+	--	--	--
	10/15/2019	--	6.84	<0.000103	<0.00054	0.292	--	0.246	--	--	--
	11/16/2020	--	7.6	0.000075 J	<0.0040	0.35	--	0.22	<0.0010	--	0.63
	11/08/2021	--	7.0	<0.00015	<0.0040	0.29	--	0.30	<0.0040	--	0.61 B

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals									
		Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)		NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10
MW-8	11/30/1999	--	4.3	--	--	--	--	--	--	--	--
	4/10/2000	--	2.4	--	--	--	--	--	--	--	--
	6/29/2000	--	3.6	--	--	--	--	--	--	--	--
	9/29/2000	--	1.6	--	--	--	--	--	--	--	--
	12/21/2000	--	0.011	--	--	--	--	--	--	--	--
	3/27/2001	--	1.0	--	--	--	--	--	--	--	--
	6/27/2001	--	2.9	--	--	--	--	--	--	--	--
	9/25/2001	370	0.52	--	<0.01	<0.04	20.0	<0.005	<0.01	6200	<0.02
	10/29/2001	280	7.5	--	--	--	36.0	--	--	4500	--
	8/15/2002	465	0.162	0.0001	0.0568	0.251	62.9	0.0022	0.01	4720	0.0145
	8/26/2003	370	1.46	0.0002	0.01	0.04	45.4	0.005	0.01	4390	0.0748
	8/27/2004	--	--	0.0002	--	--	--	0.0062	0.01	--	--
	8/24/2005	274	1.23	<0.0002	0.0293	<0.04	75.6	<0.005	<0.01	2610	0.0421
	8/10/2006	216	1.04	<0.0002	0.016	<0.04	73.0	<0.005	<0.01	2210	0.0526
	8/23/2007	288	0.59	<0.0002	0.0165	<0.04	87.4	<0.005	<0.01	2220	0.132
	8/27/2008	264	0.557	<0.0002	<10	<0.04	89.0	<0.005	<0.01	2790	0.0207
	8/28/2009	373	0.869	--	0.0321	<0.04	85.6	<0.005	<0.01	2850	0.0234
	8/26/2010	36.8	0.367	<0.0002	0.0333	<0.2	226.0	0.0075	<0.01	2800	<0.1
	12/19/2013	166	0.351	<0.000082	0.0087 J	0.0033 J	35.4	<0.00417	<0.00125	2280	0.399
	12/18/2014	114	0.0165	--	0.02	0.0033	39.6	<0.00417	0.0017	2180	0.0064
	12/15/2015	--	2.06	<0.082	0.0039 J	<0.0008	--	0.0171 J	--	--	--
	12/13/2016	79.4	0.966	<0.000082	0.0085 JB	<0.0008	26.4	<0.00287	<0.00129	2600 B	0.0589 B
	7/6/2017	71.5	0.924	<0.000082	0.02	<0.00233	20.9	<0.00287	--	2480	--
	11/16/2017	82.8	0.496	<0.000082	0.0176	0.0038 J	30.2	<0.00287	--	2840	--
	11/12/2018	106	0.217	<0.000103	0.0205	0.0034 J	30.8	<0.00287	--	1720	--
	3/12/2019	--	0.194	<0.000103	0.0208	0.0019 J	--	<0.0031	--	--	--
	10/14/2019	--	0.497	<0.000212	0.0234	0.0043 J	--	<0.00287	--	--	--
	11/16/2020	--	0.13	<0.000070	0.037 J	0.0032 J	--	<0.0080	<0.0010	<0.0080	--
	11/8/2021	--	0.55	<0.00015	0.042 J	<0.0030	--	0.049	<0.0040	--	<0.0080

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals									
		Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)		NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10
MW-9	11/30/1999	--	8.8	--	--	--	--	--	--	--	--
	4/10/2000	--	9.2	--	--	--	--	--	--	--	--
	6/29/2000	--	8.5	--	--	--	--	--	--	--	--
	9/29/2000	--	8.4	--	--	--	--	--	--	--	--
	12/21/2000	--	0.1	--	--	--	--	--	--	--	--
	3/27/2001	--	9.0	--	--	--	--	--	--	--	--
	6/27/2001	--	9.3	--	--	--	--	--	--	--	--
	9/25/2001	310	8.3	--	<0.01	0.3	12.0	<0.005	<0.01	3900	0.53
	10/29/2001	270	0.54	--	--	--	43.0	--	--	4800	--
	8/15/2002	258	6.47	0.00013	0.005	0.295	25.6	0.0067	0.0029	4490	0.0145
	8/26/2003	270	7.33	0.0002	0.01	0.335	23.0	0.005	0.01	3980	0.597
	8/27/2004	--	--	0.0002	--	--	--	0.0065	0.0100	--	--
	8/24/2005	282	7.87	<0.0002	<0.01	0.335	25.9	0.0068	<0.01	4650	0.693
	8/10/2006	244	7.36	<0.0002	<0.01	0.307	23.8	<0.005	<0.01	3720	0.624
	8/23/2007	289	6.42	<0.0002	<0.01	0.318	23.7	<0.005	<0.01	3590	0.732
	8/27/2008	276	7.77	<0.0002	<0.01	0.316	28.0	<0.005	<0.01	3760	0.65
	8/28/2009	245	8.3	--	<0.01	0.336	24.6	<0.005	<0.01	3930	0.604
	8/26/2010	244	7.9	<0.0002	<0.01	0.391	19.1	0.00970	<0.01	4080	0.608
	8/31/2011	217	6.79	<0.0002	<0.01	0.328	13.1	<0.005	<0.01	4080	0.751
	12/19/2013	225	6.59	<0.000082	<0.00273	0.339	12.3	<0.00417	0.0016 J	4390	1.02
	12/18/2014	234	7.31	--	<0.00273	0.348	12.00	<0.00417	0.0015	4270	0.881
	12/15/2015	--	6.2	0.0867 J	0.0006 J	0.297	--	<0.00287	--	--	--
	12/13/2016	239	7.1	<0.000082	<0.00054	0.357	15.3	<0.00287	<0.00129	4500	1.1
	7/06/2017	212	6.62	<0.000082	<0.00054	0.344	11.9	<0.00287	--	4240	--
	11/16/2017	216	6.73	<0.000082	<0.00054	0.39	14.4	0.0054 J	--	4590	--
	11/12/2018	238	7.01	<0.000103	0.0006 J	0.32	12.5	<0.00287	--	1900	--
	3/12/2019	--	7.58	<0.000103	<0.00054	0.337	--	0.0036 J	--	--	--
	10/14/2019	--	7.08	<0.000161	<0.00054	0.359	--	<0.00287	--	--	--
	11/16/2020	--	7.2	--	<0.0040	0.35	--	<0.0080	<0.0010	--	0.88
	11/16/2020 (duplicate)	--	6.7	--	<0.0040	0.35	--	<0.0080	<0.0010	--	0.82
	11/08/2021	--	7.2	<0.00015	<0.0040	0.35	--	0.013 J	<0.0040	--	0.95 B
	11/8/2021 (Dup-01)	--	7.3	<0.00015	<0.0040	0.36	--	0.021	<0.0040	--	0.96 B

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals									
		Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)		NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10
MW-11	7/06/2017	136	1.23	<0.000082	<0.00154	0.012	10.4	<0.00287	--	1540	--
	11/16/2017	124	0.951	<0.000082	0.0008 J	0.0125	10.8	<0.00287	--	1430	--
	11/13/2018	140	0.125	<0.000103	<0.00054	0.0117	10.4	<0.00287	--	1120	--
	3/11/2019	--	1.49	<0.000103	<0.0017	0.0170	--	<0.00287	--	--	--
	10/15/2019	--	0.63	<0.000103	<0.00054	0.0128	--	<0.00287	--	--	--
	11/16/2020	--	2.3	<0.000070	<0.0040	0.013	--	<0.0080	<0.0010	--	<0.0080
	11/08/2021	--	2.6	<0.00015	<0.0040	0.015	--	<0.0080	<0.0040	--	<0.0080
MW-12	7/06/2017	107	5.94	<0.000082	<0.00118	0.0243	12.7	<0.00287	--	1260	--
	11/16/2017	108	5.91	<0.000082	0.0017 J	0.0197	13.2	0.003 J	--	1480	--
	11/13/2018	99	5.79	<0.000103	<0.00054	0.007 J	12.1	<0.00287	--	1170	--
	3/12/2019	--	6.53	<0.000103	<0.00054	0.019	--	<0.00287	--	--	--
	10/15/2019	--	6.04	<0.000103	0.0006 J	0.010	--	<0.00287	--	--	--
	11/16/2020	--	5.30	0.00010 J	<0.0040	0.0088	--	<0.0080	<0.0010	--	<0.0080
	11/08/2021	PSH in well, no sample collected									
MW-13	7/06/2017	75	2.39	<0.000082	<0.00054	0.00509 J	12.3	<0.00287	--	3850	--
	11/16/2017	115	3.56	<0.000082	<0.0023	0.0091 J	17.1	<0.00287	--	3690	--
	11/13/2018	125	3.95	<0.000103	<0.00054	<0.0008	14.3	<0.00287	--	2650	--
	3/12/2019	--	5.15	<0.000103	<0.00054	0.027 J	--	<0.0037	--	--	--
	10/14/2019	--	6.18	<0.000265	<0.00054	0.0024 J	--	<0.00287	--	--	--
	11/16/2020	--	3.2	<0.000070	<0.0040	<0.0030	--	<0.0080	0.0010 J	--	<0.0080
	11/08/2021	--	2.6	<0.00015	<0.0040	<0.0030	--	<0.0080	<0.0040	--	<0.0080
MW-14	7/06/2017	244	8.82	<0.000082	<0.00218	0.0558	15.7	0.0115 J	--	3090	--
	11/16/2017	245	7.41	<0.000082	0.0014 J	0.0468	19.8	0.0128 J	--	3170	--
	11/12/2018	285	7.94	<0.000103	0.001 J	0.0376	19.5	0.0052 J	--	1920	--
	3/12/2019	--	8.26	<0.000103	<0.00054	0.0573	--	0.0349 J	--	--	--
	10/14/2019	--	8.48	<0.000117	0.0024	0.0363	--	0.0058 J	--	--	--
	11/16/2020	--	12	0.000070 J	<0.0040	0.037	--	<0.0080	0.0019 J	--	0.016 J
	11/08/2021	--	10	<0.00015	<0.0040	0.021	--	0.011 J	<0.0040	--	<0.0080

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Dissolved Metals									
		Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)		NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10
MW-15	7/07/2017	99.9	3.16	<0.000082	<0.01	0.01	17.8	<0.00287	--	6540	--
	11/16/2017	99.4	3.92	<0.000082	<0.00054	0.004 J	20	<0.0071	--	6850	--
	11/12/2018	100	3.23	<0.000103	0.0008 J	<0.0008	166.6	<0.00287	--	5980	--
	3/12/2019	--	3.51	<0.000103	0.0029 J	0.0024 J	--	<0.00287	--	--	--
	10/14/2019	--	3.52	<0.000253	<0.00054	0.0017 J	--	<0.00287	--	--	--
	11/16/2020	--	3.7	<0.000070	<0.0040	<0.0030	--	<0.0080	<0.0010	--	<0.0080
	11/08/2021	--	4.4	<0.00015	<0.0040	<0.0030	--	0.015 J	<0.0040	--	<0.0080
MW-16	7/06/2017	40.6	0.646	<0.000082	<0.00184	<0.0008	10.5	<0.00287	--	4910	--
	11/16/2017	39.2	0.248	<0.000082	<0.00054	<0.0008	11.9	<0.00287	--	5090	--
	11/12/2018	24.3	0.0056 J	<0.000103	0.0007 J	<0.0008	8.28	<0.00287	--	1770	--
	3/12/2019	--	0.21	<0.000103	<0.00054	<0.0008	--	<0.00287	--	--	--
	10/14/2019	--	0.0163	<0.000125	<0.00054	<0.0008	--	<0.00287	--	--	--
	11/16/2020	--	0.022	--	<0.0040	<0.0030	--	<0.0080	<0.0010	--	<0.0080
	11/08/2021	--	0.042	<0.00015	<0.0040	<0.0030	--	0.023 F1J-	<0.0040 F1UJ	--	<0.0080 F1UJ
MW-17	4/15/2019	Insufficient water in well, no sample collected									
	10/15/2019	Insufficient water in well, no sample collected									
	11/16/2020	Insufficient water in well, no sample collected									
	11/08/2021	Insufficient water in well, no sample collected									
MW-18	4/15/2019	--	11.3	<0.000103	0.0007 J	0.255	--	<0.00287	--	--	--
	10/15/2019	--	12.1	<0.000103	<0.00054	0.285	--	0.0031 J	--	--	--
	11/16/2020	--	12	<0.000070	<0.0040	0.29	--	<0.0080	<0.0010	--	0.2
	11/08/2021	--	12	<0.00015	<0.0040	0.28	--	0.011 J	<0.0040	--	0.13 B
MW-19	3/12/2019	--	11.1	<0.000103	<0.00054	0.205	--	0.0287 J+	--	--	--
	10/14/2019	--	10.8 J	<0.000169	<0.00054	0.199	--	0.0239 J	--	--	--
	11/16/2020	--	10	0.000070 J	<0.0040	0.19	--	0.018 J	<0.0010	--	0.12
	11/08/2021	--	10	<0.00015	<0.0040	0.19	--	0.029 F1	<0.0040 UJ	--	0.13 B
MW-20	3/12/2019	PSH in well, no sample collected									
	10/14/2019	PSH in well, no sample collected									
	11/16/2020	PSH in well, no sample collected									
	11/08/2021	PSH in well, no sample collected									
MW-21	3/12/2019	--	0.950	<0.000103	0.0036 J	<0.0063	--	<0.00287	--	--	--
	10/14/2019	--	4.45	<0.000277	<0.00054	<0.0008	--	<0.00287	--	--	--
	11/16/2020	--	4.1	<0.000070	<0.0040	<0.0030	--	<0.0080	<0.0010	--	<0.0080
	11/08/2021	PSH in well, no sample collected									

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlands, New Mexico

Analyte		Dissolved Metals									
		Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)		NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10
MW-22	3/12/2019	Insufficient water in well, no sample collected									
	10/14/2019	Insufficient water in well, no sample collected									
	11/16/2020	Insufficient water in well, no sample collected									
	11/08/2021	--	0.55	<0.00015	0.023 J	0.0040 J	--	0.010 J	<0.0040	--	<0.0080
MW-23	3/12/2019	Insufficient water in well, no sample collected									
	10/14/2019	Insufficient water in well, no sample collected									
	11/16/2020	Insufficient water in well, no sample collected									
	11/08/2021	Insufficient water in well, no sample collected									
MW-24	11/08/2021	--	9.9	<0.00015	0.016 J	0.11	--	0.045	<0.0040	--	0.059 B
MW-25	11/08/2021	--	0.69	<0.00015	0.061 J	0.0064	--	<0.0080	<0.0040	--	<0.0080
MW-26	11/08/2021	--	0.36	<0.00015	0.075 J	<0.0030	--	0.0094 J	<0.0040	--	<0.0080
	11/8/2021 (Dup-02)	--	0.36	<0.00015	0.074 J	0.0045 J	--	0.035	<0.0040	--	<0.0080
PMW-1a	7/07/2017	15.4	0.139	<0.000082	<0.0073	0.0017 J	7.43	0.0047 J	--	3070	--
	11/17/2017	14.1	0.114	<0.000082	0.004 J	0.001 J	7.48	<0.0031	--	3080	--
	11/13/2018	15.1	0.129	<0.000103	0.0043 J	0.0009 J	6.59	<0.00287	--	1950	--
	4/16/2019	--	0.285	<0.000103	0.0044 J	0.0016 J	--	<0.00287	--	--	--
	10/15/2019	--	0.0487	<0.000103	0.0044 J	0.0012 J	--	<0.00287	--	--	--
	11/16/2020	Well not accessed or sampled									
PMW-2	7/07/2017	8.7	0.337	<0.000082	<0.00054	0.0013 J	6.06	<0.00287	--	2210	--
	11/17/2017	5.72	0.0711	<0.000082	<0.00054	<0.0008	4.71	<0.0049	--	1820	--
	11/13/2018	11.1	0.387	<0.000103	0.005 J	<0.0008	7.14	<0.00287	--	1630	--
	3/12/2019	--	0.128	<0.000103	<0.00054	<0.0008	--	<0.0038	--	--	--
	10/15/2019	--	0.111	<0.000103	<0.00054	<0.0008	--	<0.00287	--	--	--
	11/16/2020	Well not accessed or sampled									
PMW-4a	7/07/2017	23.9	0.698	<0.000082	<0.005	0.0076 J	9.34	<0.00287	--	3980	--
	11/16/2017	21.3	0.722	<0.000082	0.0012 J	0.0041 J	9.7	<0.00287	--	3650	--
	11/13/2018	24.6	1.02	<0.000103	0.0039 J	0.0074 J	9.2	<0.00287	--	2740	--
	4/16/2018	--	0.734	<0.000103	<0.0021	0.0036 J	--	--	--	--	--
	10/15/2019	--	0.791	<0.000103	0.0009 J	0.0036 J	--	<0.00287	--	--	--
	11/16/2020	Well not accessed or sampled									

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte	Dissolved Metals									
	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc
NMWQCC Standard (mg/L)	NE	0.2	0.002	1	0.2	NE	0.05	0.05	NE	10

Notes:
-- = not analyzed
< or ND = not detected above the method detection limit
^+ = Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
B = Compound was found in the blank and sample.
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits.
H = Sample was prepped or analyzed beyond the specified holding time.
J = analyte was positively identified and the quantitation is an estimation.
J- = analyte was positively identified and the quantitation is an estimation with a potentially low bias.
J+ = analyte was positively identified and the quantitation is an estimation with a potentially high bias.
mg/L = milligram(s) per liter
NE = not established
NMWQCC = New Mexico Water Quality Control Commision
PSH = Phase-separated Hydrocarbons
Bold text indicates a detected concentration
Highlighted cells indicate a concentration exceeding the applicable NMWQCC standard
Historical data for wells abandoned prior to 2017 has been removed from this Table.

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Inorganics				
		Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		NE	250	10	600	1000
W-2	9/25/2001	--	300	25	3600	5800
	8/15/2002	170	296	--	3380	5690
	8/26/2003	196	309	21.8	3630	5880
	8/27/2004	180	431	25.2	3160	6170
	8/24/2005	138	265	17	3170	5730
	10/08/2006	163	162	18	3420	4920
	8/23/2007	165	338	18	3410	5710
	8/27/2008	178	308	17.2	3320	4920
	8/28/2009	174	795	17.7	3000	5870
	8/26/2010	198	290	19.5	3200	5970
	8/31/2011	176	318	16.7	1530	5860
	12/19/2013	203	275	19.7	3330	5460
	12/18/2014	215	234	20.9	3170	5390
	12/15/2015	197	245	33.4	3280	5000
	12/13/2016	169 J	206	9.59	3290	4860
	7/06/2017	181	238	10.7	2960	4760
	11/16/2017	178	362	12	4080	5240
	11/13/2018	193	428	10.7	4330	4420
	3/11/2019	203	200	18.5	3150	4160
	10/15/2019	196	191	23.6 J	2790	4940
	11/16/2020	270	250	18 J-	3200	5100
	11/08/2021	230	190	--	2800	4900

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Inorganics				
		Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		NE	250	10	600	1000
MW-4	9/25/2001	--	330	--	2000	3920
	8/15/2002	874	234	--	1790	4060
	8/26/2003	446	303	4	2090	4540
	8/26/2004	888	453	10	2000	4410
	8/24/2005	650	321	0.5	2010	4330
	8/10/2006	870	385	0.2	2250	3840
	8/23/2007	820	303	2.1	2000	4460
	8/27/2008	916	16.9	0.39	2150	4120
	8/28/2009	428	373	0.64	2230	4820
	8/26/2010	856	345	0.54	2150	4810
	8/31/2011	34	1240	0.14	2140	4210
	12/19/2013	765	377	0.695	2640	5330
	12/18/2014	908	380	0.0986	2670	5450
	12/15/2015	831	390	0.0985	2720	5190
	12/13/2016	798	284	<0.0017	2560	4900
	7/06/2017	--	379	1.23 J	2520	5110
	11/16/2017	716	456	0.041 J	2830	5400
	11/13/2018	810	725	0.169 J	4120	4780
	3/11/2019	817	331	<0.0251	2830	5220
	10/15/2019	698	163	0.0251 J-	967	5020
	11/16/2020	880	370	0.12	2600	5000
	11/08/2021	830	320	--	2500	4700

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Inorganics				
		Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		NE	250	10	600	1000
MW-6	9/25/2001	--	1300	ND	10000	16500
	8/15/2002	145	1040	--	8300	14900
	8/26/2003	12	1410	70.3	10300	17100
	8/27/2004	11	1340	88.3	9320	16600
	8/24/2005	25	1150	176	8490	17700
	8/10/2006	54	1320	314	8400	11600
	8/23/2007	30	1830	258	8930	15500
	8/27/2008	17	1150	140	3780	16300
	8/28/2009	6	1290	97.8	4140	16000
	8/26/2010	<5.0	1180	57	9180	14900
	8/31/2011	12	1190	92.2	8970	15600
	12/19/2013	<10	1310	137	9600	16300
	12/18/2014	<5.0	874	147	10200	21100
	12/15/2015	5	875	156	11300	15300
	12/13/2016	<5	738	45.2	9670	15300
	7/06/2017	<20	938	63.6	9980	16400
	11/16/2017	<20	2670	27.2	11500	16800
	11/12/2018	<20	1460 J-	63.7 J-	10200	15300
	3/11/2019	<20	648	53.8	9590	15100
	10/15/2019	<20	340 J-	35 J-	2230 J+	14000
	11/16/2020	<0.50	1000	66 J-	5700 B	15000
	11/08/2021	<0.50	680	--	9100	14000

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Inorganics				
		Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		NE	250	10	600	1000
MW-8	11/30/1999	--	--	10	5200	--
	4/10/2000	--	--	5	5000	--
	6/29/2000	--	--	5	7500	--
	9/29/2000	--	--	2	8500	--
	12/21/2000	--	--	1	12000	--
	3/27/2001	--	--	5	6300	--
	6/27/2001	4200	440	10	6200	13800
	9/25/2001	--	610	ND	9600	18000
	10/29/2001	24	780	0.2	10	17000
	8/15/2002	4420	318	--	5450	13200
	8/26/2003	5030	726	20	8260	17900
	8/27/2004	4920	806	20	7760	17000
	8/24/2005	1880	261	0.7	4920	11000
	8/10/2006	2150	147	0.7	4160	7820
	8/23/2007	2580	165	0.6	3980	8200
	8/27/2008	3380	4	0.36	3590	9420
	8/28/2009	3860	<1.0	1.2	4050	10700
	8/26/2010	9250	<1.0	3	2150	12000
	12/19/2013	3150	271	0.366	2310	6540
	12/18/2014	<5.0	206	0.34	2520	6880
	12/15/2015	3800	284	0.017	3120	7290
	12/13/2016	2090	283	<0.017	3840	6600
	7/6/2017	2650	277	<0.251	3060	8130
	11/16/2017	2710	496	<0.085	3880	9450
	11/12/2018	3050	427	<0.251	4250	9450
	3/12/2019	3090	451	<0.251	3740	9870
	10/14/2019	3020	346 J+	<0.502	1840	9580
	11/16/2020	3700	1000	0.31	5700 B	13000
	11/8/2021	3700	650	0.072 J	4800	13000

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Inorganics				
		Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		NE	250	10	600	1000
MW-9	11/30/1999	--	--	10	14000	--
	4/10/2000	--	--	5	12000	--
	6/29/2000	--	--	5	11000	--
	9/29/2000	--	--	2	11000	--
	12/21/2000	--	--	1	3800	--
	3/27/2001	--	--	5	11000	--
	6/27/2001	ND	770	10	13000	16600
	9/25/2001	--	2200	ND	12000	17000
	10/29/2001	4000	530	0.23	2200	16000
	8/15/2002	<4	673	--	11600	17200
	8/26/2003	13	752	20	11800	16800
	8/27/2004	24.5	969	20	12000	17400
	8/24/2005	19	782	<0.050	10200	18400
	8/10/2006	22	674	<0.050	10700	11000
	8/23/2007	25	775	0.4	10900	16500
	8/27/2008	18	606	<0.10	4630	16200
	8/28/2009	30	1440	<0.10	4030	17700
	8/26/2010	34	580	<0.10	10300	15800
	8/31/2011	28	576	<0.10	8440	15800
	12/19/2013	46.5	398	0.147	11200	15300
	12/18/2014	<5.0	508	0.0981	11000	148000
	12/15/2015	5	441	0.017	13000	15900
	12/13/2016	<5.0	419	1.39	12100	16400
	7/06/2017	<20	574	<0.502	11400	16600
	11/16/2017	<20	539	<0.085	13600	18500
	11/12/2018	<20	360	<0.251	12700	16100
	3/12/2019	<20	371 J	<0.251	9580	16000
	10/14/2019	<20	270	<0.502	11500	16200
	11/16/2020	<20	340 J	<0.033	12000	13000
	11/16/2020 (duplicate)	<20	380	<0.033	11000	17000
	11/08/2021	<0.50	350	<0.063	11000	36000
	11/8/2021 (Dup-01)	<0.50	350	<0.063	11000	16000

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Inorganics				
		Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		NE	250	10	600	1000
MW-11	7/06/2017	591	197	4.65	4390	7130
	11/16/2017	569	256	0.831	7170	7410
	11/13/2018	667	378	0.22	4120	6430
	3/11/2019	600	179	<0.0251	3880 J-	5590
	10/15/2019	577	151	<2.51	2490	5850
	11/16/2020	730	210 J	<0.033	4200 B	6700
	11/08/2021	710	210	0.063 J	4200	2100
MW-12	7/06/2017	687	406	<0.251	3230	6210
	11/16/2017	664	707	0.077	9130	7120
	11/13/2018	816	585	<0.0251	6160	6460
	3/12/2019	725	703	<0.0251	<0.0957	6680
	10/15/2019	689	222	2.51 J	2330	6040
	11/16/2020	870	390	<0.033	3900 B	7100
	11/08/2021					
MW-13	7/06/2017	2030	1300	<0.502	4970	12500
	11/16/2017	1990	1200	<0.085	11000	12500
	11/13/2018	2460	1770	<0.251	17500	11400
	3/12/2019	2330	1440 J-	6.28 J	5480	11100
	10/14/2019	1820	608	<0.502	1980 J	10800
	11/16/2020	2400	700	<0.033	4900	11000
	11/08/2021	1600	530	<0.063	5200	13000
MW-14	7/06/2017	532	321	5.68	9080	13400
	11/16/2017	494	581	2.73	10000	14200
	11/12/2018	626	367	1.04 J	10100	14200
	3/12/2019	516	342	<0.251	8030	12500
	10/14/2019	531	110	4.99 J	6560	13600
	11/16/2020	850	320 J	<0.033	13000 B	18000
	11/08/2021	560	240	0.18	7900	13000

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Inorganics				
		Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		NE	250	10	600	1000
MW-15	7/07/2017	1000	2760	<0.502	11600	22200
	11/16/2017	1230	2990	<0.085	13400	23200
	11/12/2018	1510	2910	<0.251	12200	20500
	3/12/2019	1430	2400	0.236	11400	21300
	10/14/2019	1460	1570	<0.502	12600	22200
	11/16/2020	1800	2600	<0.033	11000 B	22000
	11/08/2021	1600	2400	<0.063	11000	21000
MW-16	7/06/2017	1630	1840	<0.502	7890	15800
	11/16/2017	2510	2100	<0.085	8800	16400
	11/12/2018	3440	1950	<0.251	4770	12900
	3/12/2019	2720	2210	18	9060	17100
	10/14/2019	2420	692	<0.502	6030	19800
	11/16/2020	2900	3.3	<0.033	25 B	22000
	11/08/2021	2800	1500	<0.063 F1	14000	28000
MW-17	4/15/2019					
	10/15/2019	2100	136	1.06 J-	299	3580
	11/16/2020					
	11/08/2021					
MW-18	4/15/2019	247	1140	<0.251	13200	19800
	10/15/2019	102	94	<0.0251	1300	22300
	11/16/2020	110	540	<0.033	17000	23000
	11/08/2021	110	490	<0.063 H	14000	21000
MW-19	3/12/2019	179	290	<0.251	10300	14000
	10/14/2019	168	134	6.57 J	6690 J+	14800
	11/16/2020	210	170 J	5.1	11000	14000
	11/08/2021	180	180	4.9 H	9100	15000
MW-20	3/12/2019					
	10/14/2019					
	11/16/2020					
	11/08/2021					
MW-21	3/12/2019	711	2090	<0.251	7640	14400
	10/14/2019	819	682 J-	0.502 J	5240 J	19200
	11/16/2020	1700	1700	<0.033	12000	20000
	11/08/2021					

Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte		Inorganics				
		Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		NE	250	10	600	1000
MW-22	3/12/2019					
	10/14/2019					
	11/16/2020					
	11/08/2021	1600	640	0.10 HJ-	8000	13000
MW-23	3/12/2019					
	10/14/2019					
	11/16/2020					
	11/08/2021					
MW-24	11/08/2021	600	260	1.3 HJ-	11000	16000
MW-25	11/08/2021	700	910	9.6 HJ-	6400	11000
MW-26	11/08/2021	970	790	1.7 HJ-	8200	17000
	11/8/2021 (Dup-02)	1000	780	1.7	8000	13000
PMW-1a	7/07/2017	167	964	3.1 J	5770	9960
	11/17/2017	155	919	0.285	6400	9590
	11/13/2018	192	884	1.53 J	5900	9990
	4/16/2019	195	1200	0.0281 J	5050	9800
	10/15/2019	149	791	13.8 J	315	9080
	11/16/2020					
PMW-2	7/07/2017	1860	1100	<0.251	1300	6540
	11/17/2017	2360	1240	0.017	247	4690
	11/13/2018	1800	3900 J-	<0.0251	7350 J-	6840
	3/12/2019	2350	1840	<0.0251	977	5330
	10/15/2019	2190	601	1.1	265	4890
	11/16/2020					
PMW-4a	7/07/2017	712	2690	2.96 J	5200	12200
	11/16/2017	190	2880	0.996 J	7040	12700
	11/13/2018	295	4370	1.3 J	10300	11800
	4/16/2018	220	3010	<0.0251	4540	12400
	10/15/2019	196	855	<2.51	1730	11300
	11/16/2020					

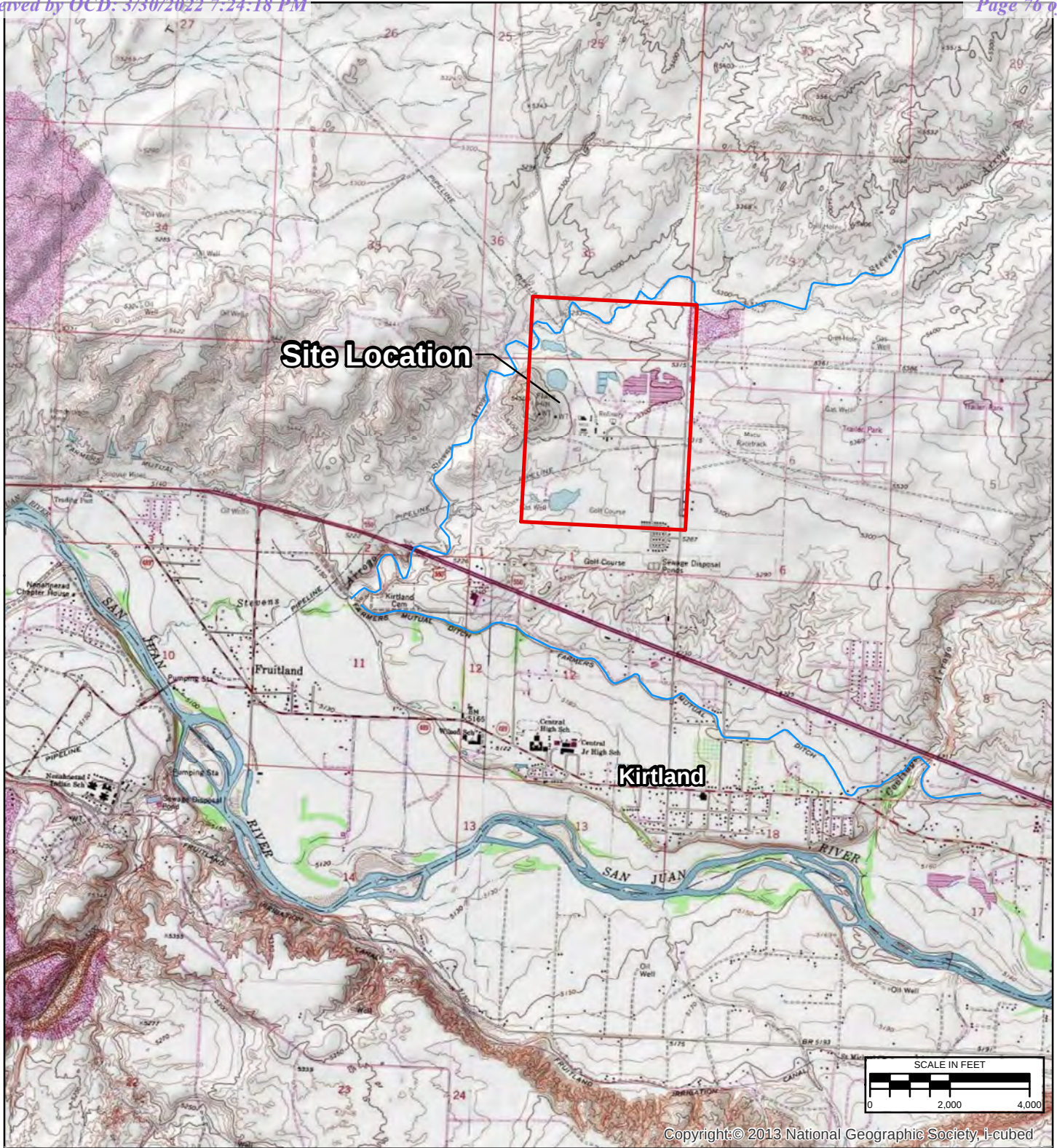
Table 5
Summary of Metals and Inorganics Groundwater Analytical Results
San Juan River Gas Plant, Kirtlans, New Mexico

Analyte	Inorganics				
	Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)	NE	250	10	600	1000

Notes:
-- = not analyzed
< or ND = not detected above the method detection limit
^+ = Continuing Calibration Verification (CCV) is outside acceptance limits, high
B = Compound was found in the blank and sample.
F1 = MS and/or MSD recovery exceeds control limits.
F2 = MS/MSD RPD exceeds control limits.
H = Sample was prepped or analyzed beyond the specified holding time.
J = analyte was positively identified and the quantitation is an estimation.
J- = analyte was positively identified and the quantitation is an estimation with a
J+ = analyte was positively identified and the quantitation is an estimation with a
mg/L = milligram(s) per liter
NE = not established
NMWQCC = New Mexico Water Quality Control Commission
PSH = Phase-separated Hydrocarbons
Bold text indicates a detected concentration
Highlighted cells indicate a concentration exceeding the applicable NMWQCC
Historical data for wells abandoned prior to 2017 has been removed from this T

FIGURES

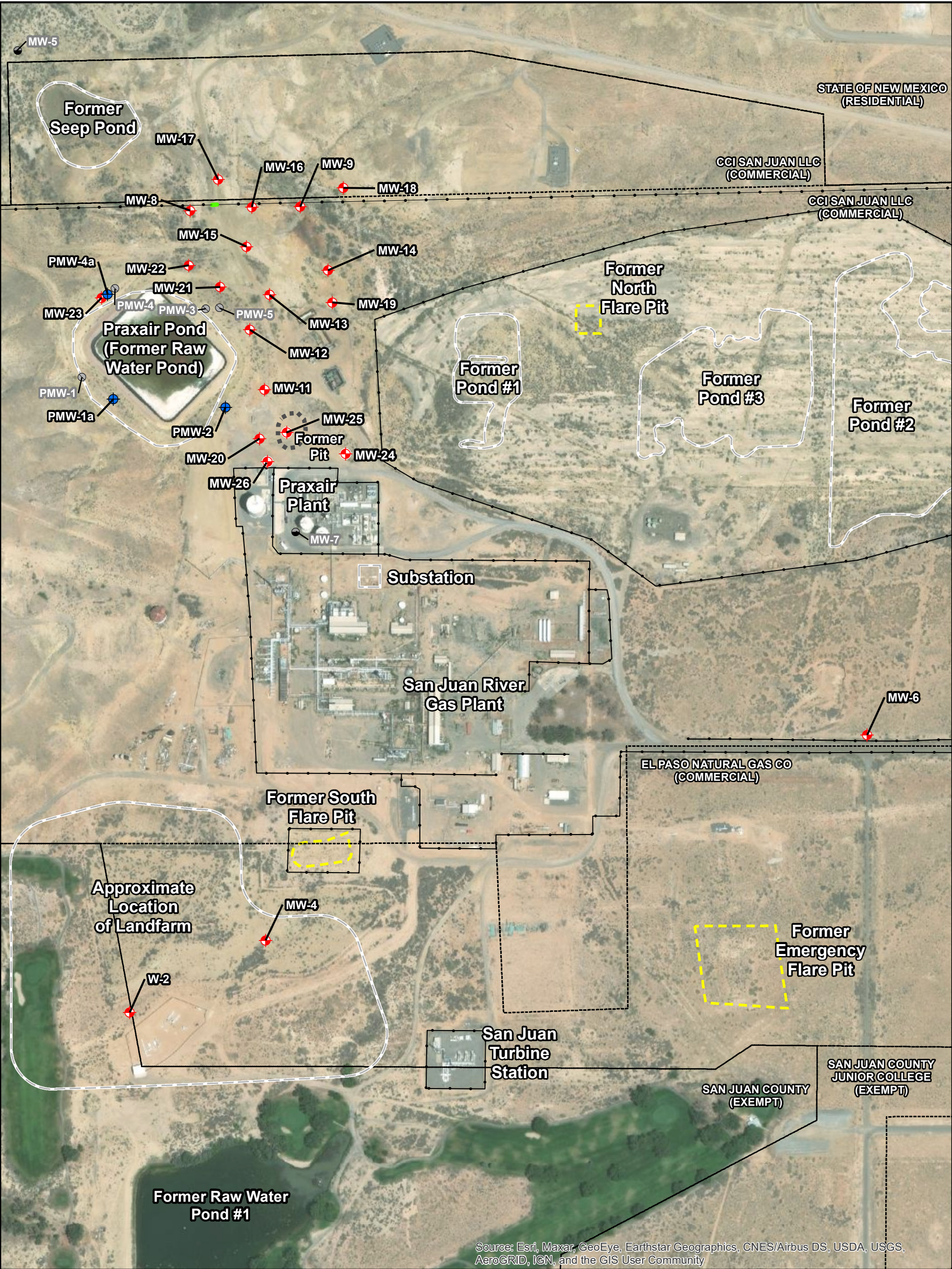




REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/9/2021	SLG	SLG	SRV

TITLE		 Stantec
SITE LOCATION		
PROJECT	SAN JUAN RIVER GAS PLANT KIRTLAND, NEW MEXICO	
FIGURE		1

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW_MXD\SAN JUAN RIVER GAS PLANT\2021 MAPS\Figure2_SJRP_Site_Map.mxd



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

LEGEND

- MONITORING WELL
- PRAXAIR MONITORING WELL
- DESTROYED/ABANDONED PRAXAIR MONITORING WELL
- DESTROYED/ABANDONED EPNG MONITORING WELL
- HISTORICAL FEATURE
- PROPERTY BOUNDARY
- FENCE
- GATE
- FLARE PIT

NOTE:
AIR SPARGE INJECTION WELLS SW-08 AND SW-09
ARE LOCATED 10 FEET FROM MW-8 AND MW-9,
RESPECTIVELY, AND ARE NOT SHOWN.

0250500

SCALE IN FEET

0250500

SCALE IN FEET

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-30	SAH	SAH	SRV

TITLE:

SITE PLAN

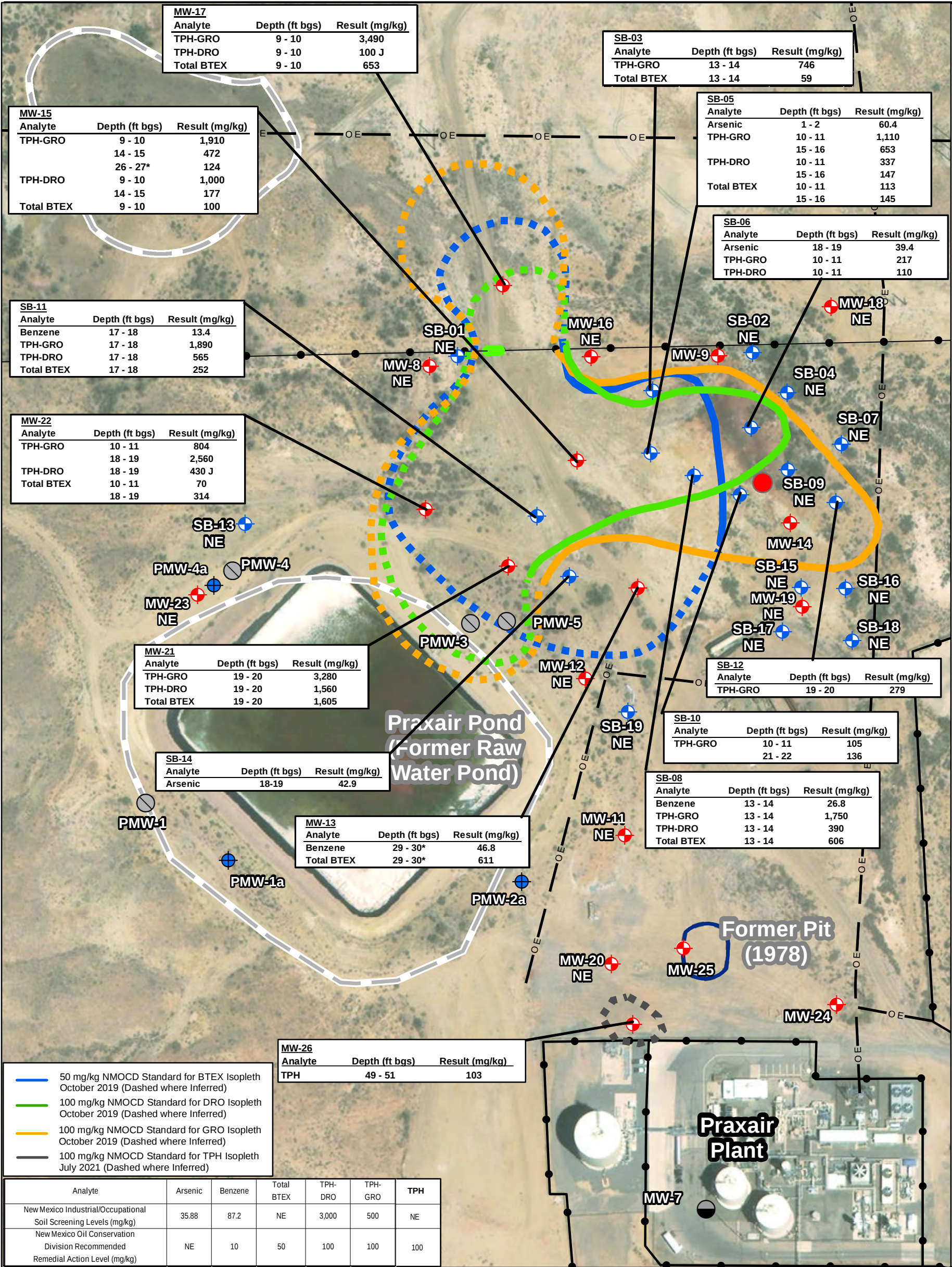
PROJECT:

**SAN JUAN RIVER GAS PLANT
KIRTLAND, NEW MEXICO**

Stantec

Figure No.:
2

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW\MXDs\SAN JUAN RIVER GAS PLANT\2021 MAPS\Figure3_SJRP_Soil_Exceedance_Map.mxd



LEGEND

- MONITORING WELL
- PRAXAIR MONITORING WELL
- 2017 SOIL BORINGS
- DESTROYED/ABANDONED PRAXAIR MONITORING WELL
- DESTROYED/ABANDONED EPNG MONITORING WELL
- HISTORICAL FEATURE
- OVERHEAD ELECTRIC
- FENCE
- CONDENSATE DISCHARGE

NOTES:

BTEX = benzene, toluene, ethylbenzene, and total xylenes
DRO = diesel range organics
ft bgs = feet below ground surface
GRO = gasoline range organics
J = analyte detected at concentration above instrument detection limit but below method detection limit
mg/kg = milligram(s) per kilogram
NE = not established
NMOC = New Mexico Oil Conservation Division
TPH = total petroleum hydrocarbons
* = the sample was collected below the water table

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

SCALE IN FEET

0 100 200

REVISION DATE DESIGN BY DRAWN BY REVIEWED BY

2022-03-29 SAH SAH SRV

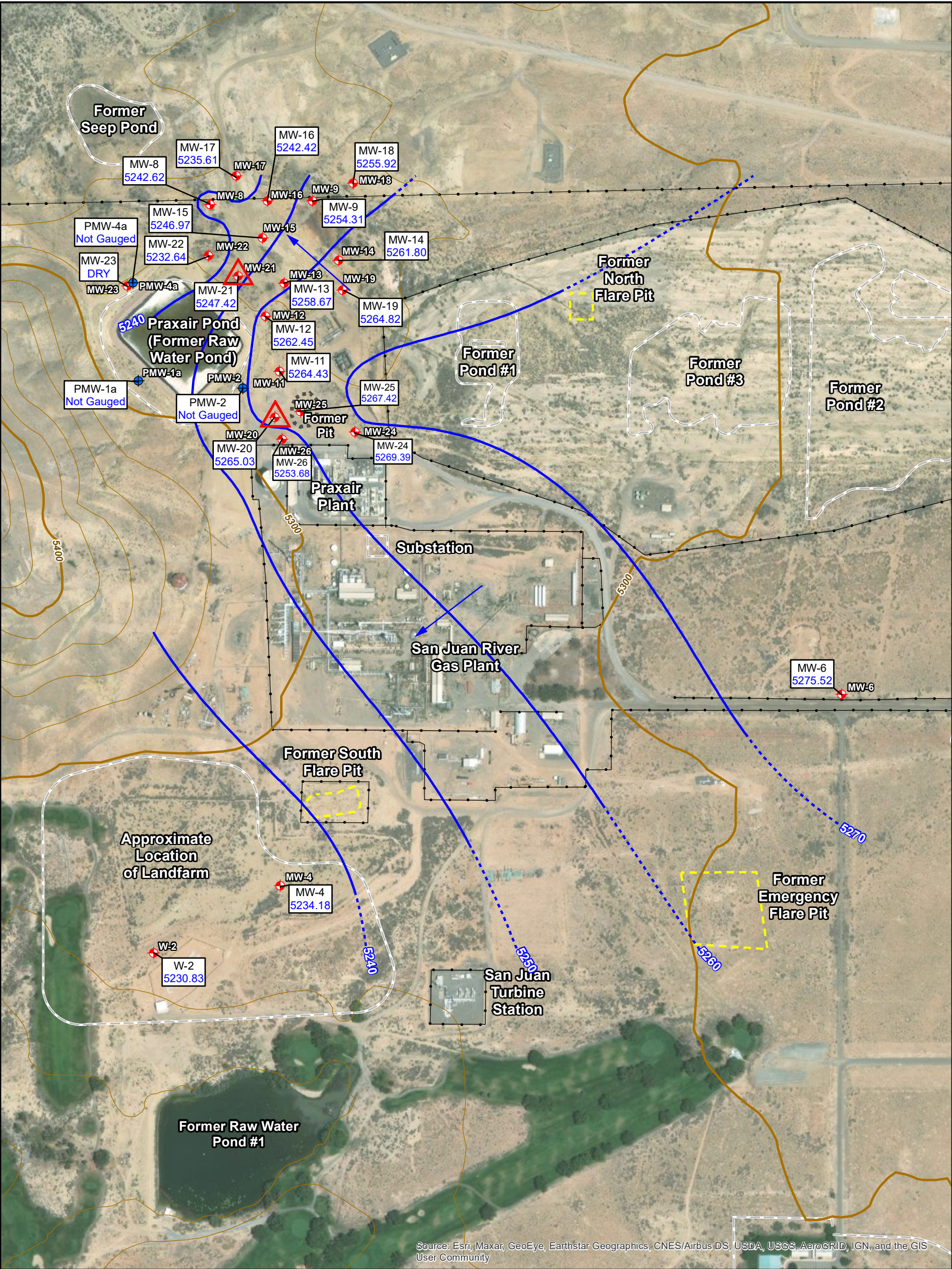
TITLE: SOIL EXCEEDANCE MAP

PROJECT: SAN JUAN RIVER GAS PLANT KIRTLAND, NEW MEXICO

Figure No.: 3

Stantec

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW\MXDs\SAN JUAN RIVER GAS PLANT\2021 MAPS\Figure4_SJRP_Nov2021_GECM.mxd



LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- PRAXAIR MONITORING WELL
- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- HISTORICAL FEATURE
- FENCE
- GATE
- FLARE PIT
- CORRECTED WATER LEVEL ELEVATION
- CONTOUR DASHED WHERE INFERRED (FEET ABOVE MEAN SEA LEVEL)
- GROUNDWATER FLOW DIRECTION

NOTE:
MW-23 WAS FOUND TO BE DRY AT 61 FEET BELOW TOP OF CASING.
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

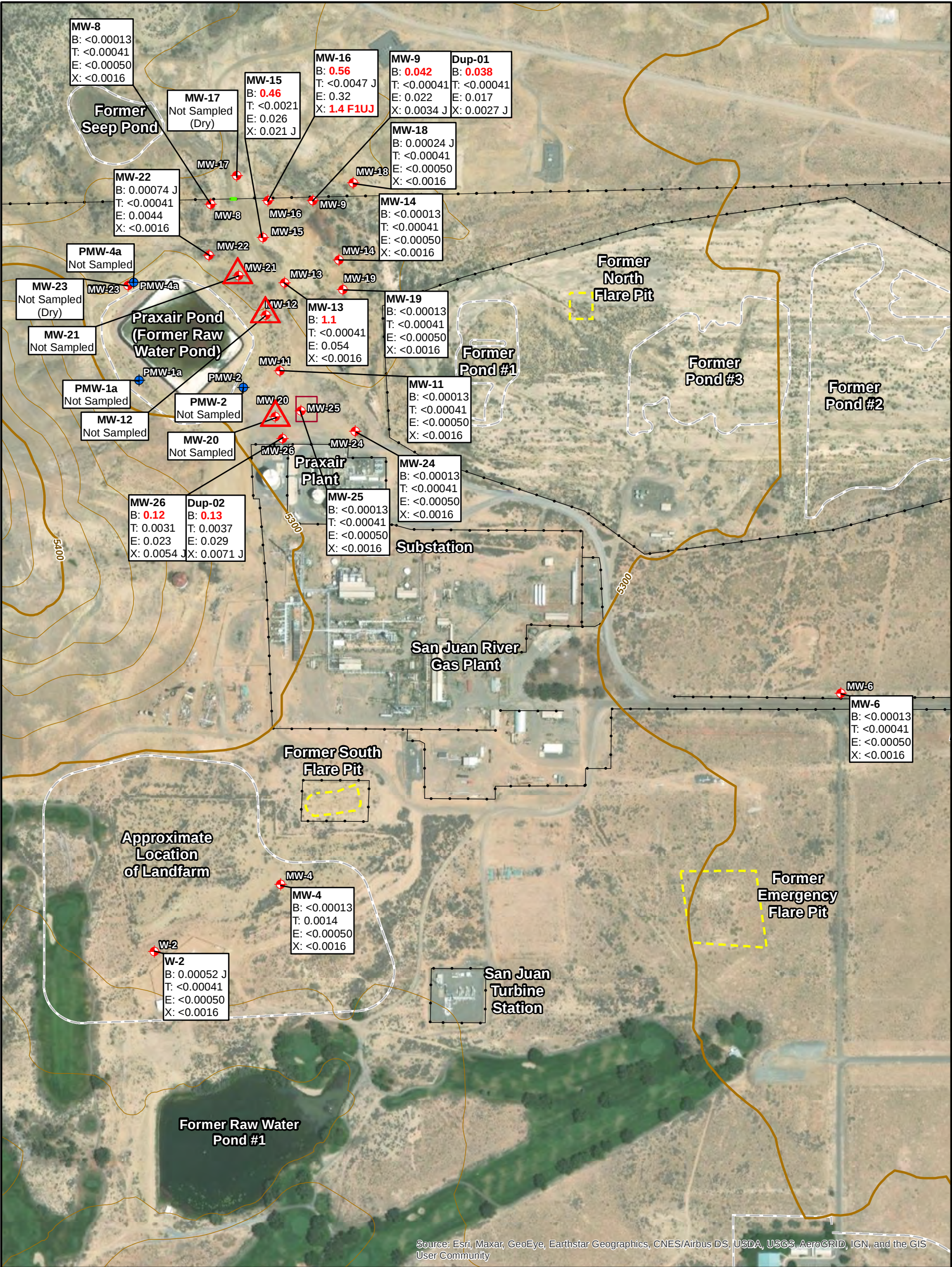
REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-30	SLG	SLG	SRV

TITLE:
**GROUNDWATER ELEVATION MAP
NOVEMBER 8, 2021**

PROJECT:
**SAN JUAN RIVER GAS PLANT
KIRTLAND, NEW MEXICO**

Figure No.:
4

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW\MXDs\SAN JUAN RIVER GAS PLANT\2021 MAPS\Figure4_SJRP_Nov2021_GARM_BTEx.mxd



LEGEND

- MONITORING WELL
- MONITORING WELL WITH MEASURABLE LNAPL
- PRAXAIR MONITORING WELL
- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- HISTORICAL FEATURE
- FENCE
- GATE
- FLARE PIT

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.
NS = NOT SAMPLED
mg/L = MILLIGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

ANALYTE	NMWQCC STANDARDS
B = Benzene	0.01 mg/L
T = Toluene	0.75 mg/L
E = Ethylbenzene	0.75 mg/L
X = Total Xylenes	0.62 mg/L

SCALE IN FEET

0250500

REVISION

DATE

DESIGN BY

DRAWN BY

REVIEWED BY

2022-03-22

SLG

SLG

SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
BTEx CONSTITUENTS
NOVEMBER 8, 2021

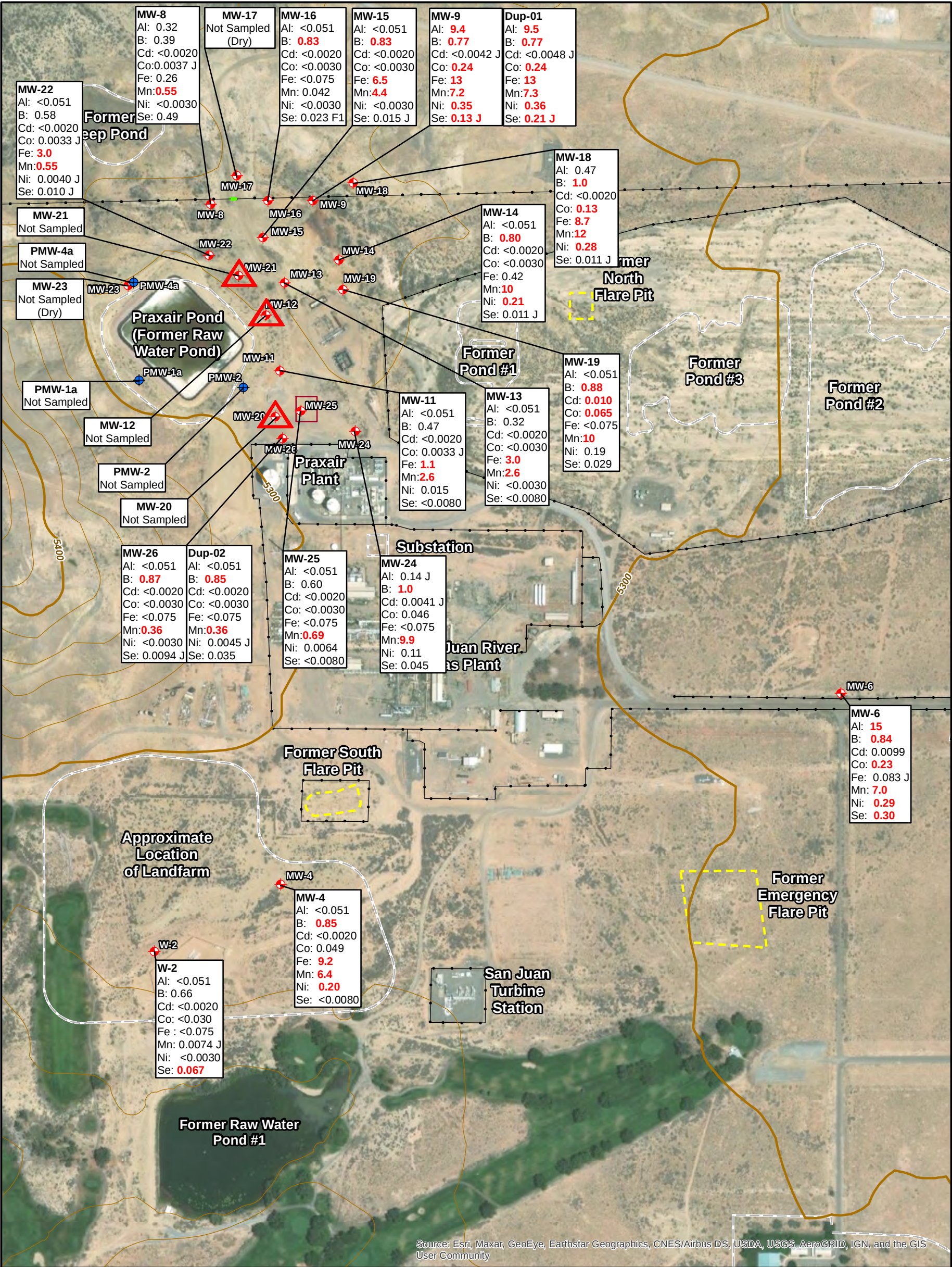
PROJECT:

SAN JUAN RIVER GAS PLANT
KIRTLAND, NEW MEXICO

Stantec

Figure No.:
5

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102103_data\gis_cad\gis\GIS-NEW\MXDs\SAN JUAN RIVER GAS PLANT\2021 MAPS\Figure5_SJRP_Nov2021_GARM_DissMetals.mxd



LEGEND

- ABANDONED MONITORING WELL
- MONITORING WELL WITH MEASUREABLE LNAPL
- PRAXAIR MONITORING WELL
- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- HISTORICAL FEATURE
- FENCE
- GATE
- FLARE PIT

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.
NS = NOT SAMPLED
J = INDICATES ESTIMATED CONCENTRATION INDETERMINATE BIAS
J- = INDICATES ESTIMATED CONCENTRATION BIAS LOW
J+ = INDICATES ESTIMATED CONCENTRATION BIAS HIGH
B = COMPOUND WAS FOUND IN THE BLANK AND SAMPLE
mg/L = MILLIGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

ANALYTE	NMWOCC STANDARDS
Al = Aluminum	5 mg/L
B = Boron	0.75 mg/L
Cd = Cadmium	0.01 mg/L
Co = Cobalt	0.05 mg/L
Fe = Iron	1 mg/L
Mn = Manganese	0.2 mg/L
Ni = Nickel	0.2 mg/L
Se = Selenium	0.05 mg/L

SCALE IN FEET

0

250

500

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-22	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
DISSOLVED METALS
NOVEMBER 8, 2021

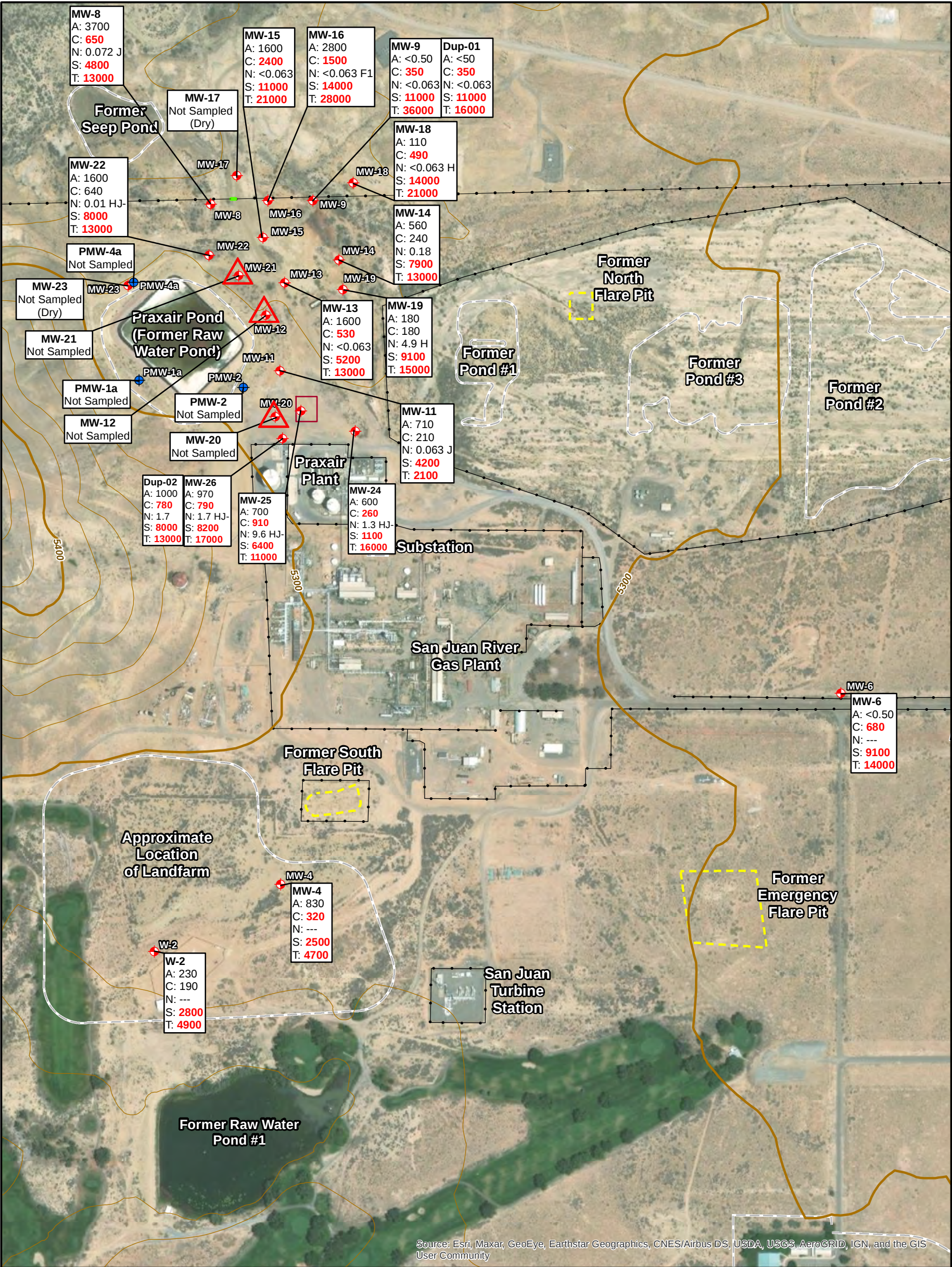
PROJECT:

SAN JUAN RIVER GAS PLANT
KIRTLAND, NEW MEXICO

Stantec

Figure No.:
6

\\Corp.ads\data\Virtual_Workspace\workgroup\1937\Active\193700102\03_data\gis_cad\gis\GIS-NEW\MXDs\SAN JUAN RIVER GAS PLANT\2021 MAPS\Figure6_SJRP_Nov2021_GARM_Inorganics.mxd



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

LEGEND

- ABANDONED MONITORING WELL
- MONITORING WELL WITH MEASUREABLE LNAPL
- PRAXAIR MONITORING WELL
- APPROXIMATE GROUND SURFACE CONTOUR AND ELEVATION, FEET
- HISTORICAL FEATURE
- FENCE
- GATE
- FLARE PIT

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.
NS = NOT SAMPLED
J = INDICATES ESTIMATED CONCENTRATION INDETERMINATE BIAS
J- = INDICATES ESTIMATED CONCENTRATION BIAS LOW
-- = NOT ANALYZED
J+ = INDICATES ESTIMATED CONCENTRATION BIAS HIGH
B = COMPOUND WAS FOUND IN THE BLANK AND SAMPLE
mg/L = MILLIGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

ANALYTE	NMWOCC STANDARDS
A = Alkalinity	No Standard
C = Chloride	250 mg/L
N = Nitrate + Nitrite	10 mg/L
S = Sulfate	600 mg/L
T = Total Dissolved Solids	1000 mg/L

SCALE IN FEET

0250500

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2022-03-22	SAH	SAH	SRV

TITLE:

GROUNDWATER ANALYTICAL RESULTS
INORGANICS
NOVEMBER 8, 2021

PROJECT:

SAN JUAN RIVER GAS PLANT
KIRTLAND, NEW MEXICO

Stantec

Figure No.:
7

APPENDICES



APPENDIX A NMOCD NOTIFICATIONS OF SITE ACTIVITIES



From: [Varsa, Steve](#)
To: [Smith, Cory, EMNRD](#)
Cc: [Griswold, Jim, EMNRD](#); [Wiley, Joe](#)
Subject: El Paso Natural Gas Company - San Juan River Gas Plant, Kirkland - notice of upcoming product recovery activities
Date: Thursday, March 11, 2021 10:52:12 AM

Hi Cory -

This correspondence is to provide notice to the NMOCD of planned product recovery activities at the above-referenced El Paso Natural Gas Company (EPNG) site. The site activities are to occur on March 17, 2021.

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

Thank you,
Steve

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

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From: [Varsa, Steve](#)
To: [Smith, Cory, EMNRD](#)
Cc: [Griswold, Jim, EMNRD](#); [Wiley, Joe](#)
Subject: El Paso Natural Gas Company - San Juan River Gas Plant, Kirkland (Incident Number NAUTOFRM000157) - notice of upcoming product recovery activities
Date: Wednesday, May 12, 2021 2:51:30 PM

Hi Cory -

This correspondence is to provide notice to the NMOCD of planned product recovery activities at the above-referenced El Paso Natural Gas Company (EPNG) site. The site activities are to occur on May 20, 2021.

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

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
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From: [Varsa, Steve](#)
To: [Smith, Cory, EMNRD](#)
Cc: [Griswold, Jim, EMNRD](#); [Wiley, Joe](#)
Subject: El Paso Natural Gas Company - San Juan River Gas Plant, Kirkland (Incident Number NAUTOFRM000157) - notice of upcoming monitoring well installation activities
Date: Friday, July 09, 2021 5:59:15 PM

Hi Cory -

This correspondence is to provide notice to the NMOCD of planned monitoring well installation activities at the above-referenced El Paso Natural Gas Company (EPNG) site. A work plan for the subject activities was loaded into e-permitting for the subject incident on June 29, 2021. Utility clearance activities are planned to begin on July 14, 2021, with well installation activities to begin on July 21, 2021.

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

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
11153 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
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From: [Varsa, Steve](#)
To: [Smith, Cory, EMNRD](#)
Cc: [Griswold, Jim, EMNRD](#); [Wiley, Joe](#)
Subject: El Paso Natural Gas Company - San Juan River Gas Plant, Kirkland (Incident Number NAUTOFRM000157) - notice of upcoming groundwater sampling activities
Date: Wednesday, November 03, 2021 10:17:49 AM

Hi Cory -

This correspondence is to provide notice to the NMOCD of annual groundwater sampling activities at the above-referenced El Paso Natural Gas Company (EPNG) site. These activities are to occur on November 8, 2021.

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

Thank you,
Steve

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

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APPENDIX B BOREHOLE LOGS & WELL CONSTRUCTION DIAGRAMS





Drilling Log

Monitoring Well **MW-24**

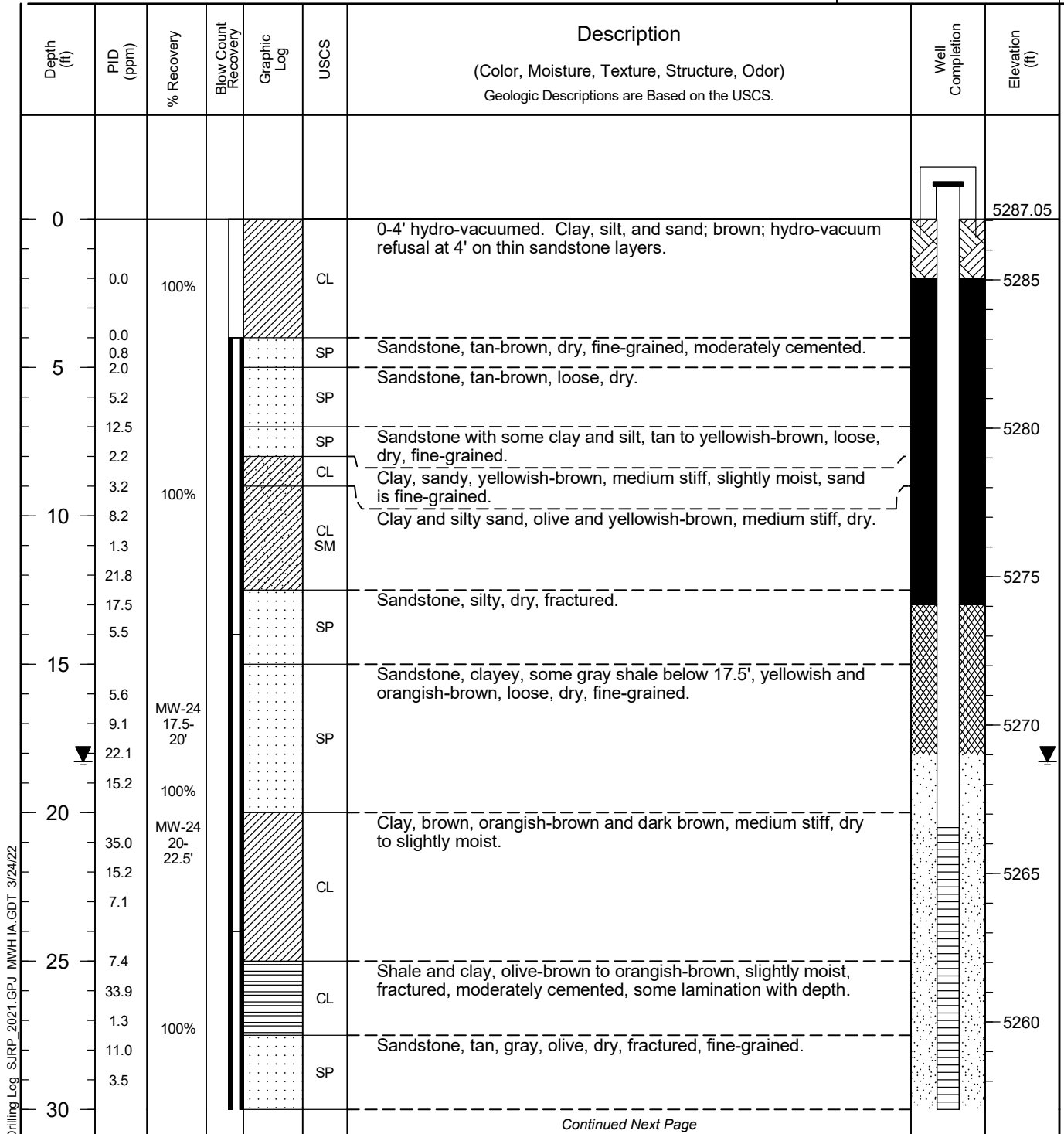
Page: 1 of 2

Project San Juan River Gas Plant Owner El Paso Natural Gas Company
 Location Kirtland, New Mexico Project Number 193710311
 Surface Elev. 5287.05 ft North 2096719.54 East 2566355.8
 Top of Casing 5290.19 ft Water Level Initial ▼ Static ▼ 5268.77 08/29/21 00:00
 Hole Depth 46.0 ft 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 21.0 ft Type SCH 40 PVC
 Drill Co. Cascade Drilling Method Sonic Sand Pack Gillibrand 10/20
 Driller Jason Camp Driller Reg. # WD-1210 Log By R. Malcomson
 Start Date 7/22/2021 Completion Date 7/22/2021 Checked By S. Varsa

Bentonite Chips
 Bentonite Granules
 Grout
 Bentonite Pellets
 Sand Pack
 PP Sand Pack

COMMENTS

Groundwater was not encountered during installation of MW-24.





Drilling Log

Monitoring Well **MW-24**

Page: 2 of 2

Project San Juan River Gas PlantOwner El Paso Natural Gas CompanyLocation Kirtland, New MexicoProject Number 193710311

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion	Elevation (ft)
Continued								
30	4.8	100%			SP	Sandstone, light gray, slightly moist, strongly cemented, fine-grained.		5255
	1.5				SP	Sandstone, light gray, slightly moist, fine-grained, fractured, thinly-bedded with some interbedded black to brown shale.		
	4.2							
	0.2				SP			
	8.2	100%			CL	Clay, dark gray, medium stiff, slightly moist.		5250
35	1.8				SP	Sandstone, some clay layers, gray, fine-grained, strongly cemented.		
	1.2							
	1.7				CL	Shale, dark brown, interbedded with gray sandstone, slightly moist, strongly cemented.		5245
40	1.4	100%			SP	Sandstone, some clay layers, gray, slightly moist to moist, fine-grained, strongly cemented.		
	2.6							
	0.6				CL	Shale, gray, hard, dry.		
	11.6				CL	Shale, black, hard, moist, laminated, some interbedded coal/charcoal.		
	14.6	100%						5240
45	3.2							
	0.0	100%						5235
	1.1							
						End of boring @ 46'.		5230
50								5225
55								5220
60								
65								
70								

Drilling Log SJRP_2021.GPJ MWH IA.GDT 3/24/22



Drilling Log

Monitoring Well **MW-25**

Page: 1 of 2

Project San Juan River Gas Plant Owner El Paso Natural Gas Company
 Location Kirtland, New Mexico Project Number 193710311
 Surface Elev. 5288.50 ft North 2096794.37 East 2566152.17
 Top of Casing 5288.45 ft Water Level Initial ▽ Static ▽ 5245.38 08/29/21 00:00
 Hole Depth 51.0 ft Screen: Diameter 4 in Length 30.0 ft Type/Size SCH 40 PVC/0.01 in
 Hole Diameter 8.25 in Casing: Diameter 4 in Length 21.0 ft Type SCH 40 PVC
 Drill Co. Cascade Drilling Method Sonic Sand Pack Gillibrand 10/20
 Driller Jason Camp Driller Reg. # WD-1210 Log By R. Malcomson
 Start Date 7/22/2021 Completion Date 7/22/2021 Checked By S. Varsa

Bentonite Chips
 Bentonite Granules
 Grout
 Bentonite Pellets
 Sand Pack
 PP Sand Pack

COMMENTS
 Groundwater was not encountered during installation of MW-25.

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion	Elevation (ft)
0		100%			ML	0-4' hydro-vacuumed. Silt, sand, and clay; brown; hydro-vacuum refusal at 4' on apparent sandstone.		5288.50
5	2.0 0.5				SM	Sand, silty, clayey, loose, dry, fine to medium-grained.		5285
10	1.3 6.0 3.5 16.3	100% MW-25 9-11'			CL	Clay, sandy, yellowish-brown, medium stiff, moist from 9-11' then slightly moist to dry below, sand is fine-grained.		5280
15	0.5 8.4 1.3	MW-25 13-15'			CL			5275
20	9.8 11.1 2.9 5.8				CL	Clay, sandy, some hard olive-brown shale from 19-21', grayish-brown with orangish-brown mottles, medium stiff, dry, sand is fine-grained.		5270
25	8.3 1.1 18.5 1.7 1.9 1.0	100% MW-25 19-21'			SC	Sand, clayey, yellowish-brown to grayish-brown, dry, fine-grained.		5265
	1.1 0.3 3.1 5.9 2.4				SP	Sandstone, clayey, tan to brown, dry, moderately cemented, fine-grained.		
					SP	Sandstone, clayey, yellowish-brown, dry, fine-grained, trace gypsum.		
					SP	Sandstone, gray, dry, fine-grained, thinly-bedded.		
					CL	Clay, sandy, yellowish-brown, moist, sand is fine-grained.		
					SP	Sandstone, gray, slightly moist, fine-grained, strongly cemented.		
					SP	Sandstone, gray, dry, fine-grained, fractured.		
30								5260

Continued Next Page



Drilling Log

Monitoring Well **MW-25**

Page: 2 of 2

Project San Juan River Gas PlantOwner El Paso Natural Gas CompanyLocation Kirtland, New MexicoProject Number 193710311

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion	Elevation (ft)
30	5.8					<i>Continued</i>		
7.3					CL	Shale, clayey, black and orange, dry to slightly moist.		
5.9		100%				Sandstone with interbedded shale, gray, dry to slightly moist, fine-grained, strongly cemented becoming moderate from 32-34'.		
11.7					SP			5255
19.3								
11.0								
35	6.4							
2.6					CL	Shale, gray, strongly cemented.		
9.1		MW-25 38- 39'			CL	Shale, dark gray, weakly cemented, laminated.		
10.0					CL	Shale, dark gray, dry to slightly moist, strongly cemented, laminated.		5250
72.9								
487.3		100%			CL	Shale, gray becoming light gray with depth, strongly cemented.		
284.9								
40	33.3							
4.2						Sandstone, light gray		
19.6					SP			5245
8.6								
45	6.2							
9.3						Shale, silty, black, strongly cemented, fractured..		
6.3					CL			
0.9		100%						5240
12.5								
50	2.3				SP	Sandstone with interbedded shale, gray and black, moderately cemented.		
3.4								
						End of boring @ 51'.		5235
55								5230
60								5225
65								5220
70								

Drilling Log SJRP_2021.GPJ MWH IA.GDT 3/24/22



Drilling Log

Monitoring Well

MW-26

Page: 1 of 2

Project San Juan River Gas Plant Owner El Paso Natural Gas Company
 Location Kirtland, New Mexico Project Number 193710311
 Surface Elev. 5296.05 ft North 2096692.75 East 2566084.07
 Top of Casing 5295.98 ft Water Level Initial ▽ Static ▽ 5244.98 08/29/21 00:00
 Hole Depth 57.0 ft Screen: Diameter 4 in Length 35.0 ft Type/Size SCH 40 PVC/0.01 in
 Hole Diameter 8.25 in Casing: Diameter 4 in Length 16.0 ft Type SCH 40 PVC
 Drill Co. Cascade Drilling Method Sonic Sand Pack Gillibrand 10/20
 Driller Jason Camp Driller Reg. # WD-1210 Log By R. Malcomson
 Start Date 7/23/2021 Completion Date 7/23/2021 Checked By S. Varsa

Bentonite Chips
 Bentonite Granules
 Grout
 Bentonite Pellets
 Sand Pack
 PP Sand Pack

COMMENTS

Groundwater was not encountered during installation of MW-26.

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion	Elevation (ft)
0						0-10' hydro-vacuumed. Clay, silt, and sand; brown.		5296.05
5	0.1	100%			CL			5295
10	2.3				SC SM	No recovery. Sand, clayey, silty, with sandstone fragments, orangish-brown to tan, loose, dry.		5285
15	2.4				CL	Clay, olive-brown.		
	1.4				SP	Sandstone, clayey with depth, yellowish-tan, dry, fine-grained, moderately cemented.		
	10.1	100%			CL	Clay with sandstone fragments, orange and olive-brown, medium stiff to stiff, dry.		5280
	8.9				CL	Clay, sandy, yellowish-brown, orange, gray; medium stiff, dry.		
20	29.0				CL	Clay, yellowish- to olive-brown, medium stiff.		
	0.4				CL			
	0.9				CL			
	0.5				CL			
	4.9				CL	Clay, sandy, grayish-brown, medium stiff, dry, trace shale.		5275
	1.1				CL			
	1.8				CL	Clay, sandy, tan, orange, and olive; medium stiff, dry.		
25	3.2				CL			
	21.6	100%			CL			5270
	4.9				SP	Sandstone, silty, gray, slightly moist, moderately to strongly cemented, fine-grained.		
	4.0				SP	Sandstone, gray, with orange interbedded clay to clayey sand.		
30	15.0				SP	Sandstone, tan and orange, slightly moist, moderately to weakly		
	21.7				SP			

Continued Next Page

Drilling Log SJRP 2021.GPJ MWH IA.GDT 3/24/22



Drilling Log

Monitoring Well

MW-26

Page: 2 of 2

Project San Juan River Gas PlantOwner El Paso Natural Gas CompanyLocation Kirtland, New MexicoProject Number 193710311

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Well Completion	Elevation (ft)
30	5.4 9.3 7.4 16.7					<i>Continued</i>		
					SP	cemented, fine-grained.		5265
	0.6				SP	Sandstone with thin shale layers, tan, orangish- to brownish-gray, minor black with depth, dry to slightly moist.		
35	1.7	100%			CL	Shale, dark gray, mottled, moderately to strongly cemented.		5260
	6.8				CL	Shale with some clay, dark gray, dry, fractured.		
	1.2				CL	Shale with some clay, dark gray, dry, fractured.		
	1.5				CL	Shale with some clay, dark gray, dry, fractured.		
	4.8				CL	Shale with some clay, dark gray, dry, fractured.		
40	1.3				CL	Shale with interbedded fine sandstone, dark gray, dry to slightly moist, fractured.		
	8.7				CL	Clay with shale fragments, dark brownish-gray, dry.		5255
	4.8				CL	Clay with shale fragments, dark brownish-gray, dry.		
	4.9				CL	Clay with shale fragments, dark brownish-gray, dry.		
	5.5				CL	Clay with shale fragments, dark brownish-gray, dry.		
	6.3				CL	Clay with shale fragments, dark brownish-gray, dry.		
45	0.9	100%			CL	Shale, gray, moderately to strongly cemented, dry.		
	1.8				CL	Shale, gray, moderately to strongly cemented, dry.		
	14.8				CL	Shale, gray, slightly moist to moist, dry below 49', moderately to strongly cemented, fractured, slight odor from 47-49', odor from 49-51'.		5250
	28.3				CL	Shale, gray, slightly moist to moist, dry below 49', moderately to strongly cemented, fractured, slight odor from 47-49', odor from 49-51'.		
	67.8				CL	Shale, gray, slightly moist to moist, dry below 49', moderately to strongly cemented, fractured, slight odor from 47-49', odor from 49-51'.		
	33.7				CL	Shale, gray, slightly moist to moist, dry below 49', moderately to strongly cemented, fractured, slight odor from 47-49', odor from 49-51'.		
50	57.2				CL	Shale, gray, slightly moist to moist, dry below 49', moderately to strongly cemented, fractured, slight odor from 47-49', odor from 49-51'.		
	8736				CL	Shale, dark gray, moderately to strongly cemented, minor coal/charcoal from 53-55', odor.		5245
	220.9				CL	Shale, dark gray, moderately to strongly cemented, minor coal/charcoal from 53-55', odor.		
	293.5				CL	Shale, dark gray, moderately to strongly cemented, minor coal/charcoal from 53-55', odor.		
	12.9	100%			CL	Shale, dark gray, moderately to strongly cemented, minor coal/charcoal from 53-55', odor.		
55	63.6				CL	Shale, gray to dark gray, dry, moderately to weakly cemented.		
	6.7				CL	Shale, gray to dark gray, dry, moderately to weakly cemented.		5240
	14.0				CL	Shale, gray to dark gray, dry, moderately to weakly cemented.		
60						End of boring @ 57'.		5235
65								5230
70								

Drilling Log SJRP_2021.GPJ MWH IA.GDT 3/24/22

APPENDIX C NMOSE WELL COMPLETION FORMS



www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 19 (MW-24)			WELL TAG ID NO. MW-24		OSE FILE NO(S). SJ-4231				
	WELL OWNER NAME(S) El Paso CGO Company, L.L.C. Attn: Joseph Wiley					PHONE (OPTIONAL) 713-420-3475				
	WELL OWNER MAILING ADDRESS 1001 Louisiana Street, Room 757A					CITY Houston		STATE TX	ZIP 77002	
	WELL LOCATION (FROM GPS)	DEGREES 36		MINUTES 45	SECONDS 39.1	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
		LATITUDE		LONGITUDE		-108				22
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE/4, NW/4, Sec 1, T29N, R15W, San Juan County, NM										
2. DRILLING & CASING INFORMATION	LICENSE NO. WD 1664		NAME OF LICENSED DRILLER Shawn Cain				NAME OF WELL DRILLING COMPANY Cascade Drilling			
	DRILLING STARTED 7/22/2021		DRILLING ENDED 7/22/2021		DEPTH OF COMPLETED WELL (FT) 45		BORE HOLE DEPTH (FT) 46		DEPTH WATER FIRST ENCOUNTERED (FT)	
	COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)								STATIC WATER LEVEL IN COMPLETED WELL (FT)	
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:									
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Sonic									
	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	20	8	4" PVC Blank	Flush Thread SCH 40	4	.237			
	20	45	8	4" PVC Screen	Flush Thread SCH 40	4	.237	.010		
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	2	8	Concrete	.5	poured				
	2	13	8	Cement Bentonite Grout	3	Tremie				
	13	18	8	Bentonite Chips	1.5	poured				
	18	46	8	10/20 Sand	7.5	poured				

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.		POD NO.	TRN NO.	WK-28 - WELL RECORD & LOG (VERSION 04/30/19)
LOCATION			WELL TAG ID NO.	PAGE 1 OF 2

[illegible]

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 20 (MW-25)		WELL TAG ID NO. MW-25		OSE FILE NO(S). SJ-4231			
	WELL OWNER NAME(S) El Paso CGO Company, L.L.C. Attn: Joseph Wiley				PHONE (OPTIONAL) 713-420-3475			
	WELL OWNER MAILING ADDRESS 1001 Louisiana Street, Room 757A				CITY Houston			
					STATE TX			
					ZIP 77002			
WELL LOCATION (FROM GPS)	DEGREES 36		MINUTES 45		SECONDS 40		N	
	LONGITUDE -108		22		8			W
* ACCURACY REQUIRED: ONE TENTH OF A SECOND								
* DATUM REQUIRED: WGS 84								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE/4, NW/4, Sec 1, T29N, R15W, San Juan County, NM								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD 1664		NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling		
	DRILLING STARTED 7/22/2021		DRILLING ENDED 7/23/2021		DEPTH OF COMPLETED WELL (FT) 50		BORE HOLE DEPTH (FT) 51	
	COMPLETED WELL IS:		☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)				DEPTH WATER FIRST ENCOUNTERED (FT) 75.8	
	DRILLING FLUID:		☐ AIR ☐ MUD ADDITIVES - SPECIFY:					
	DRILLING METHOD:		☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Sonic					
	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	20	8	4" PVC Blank	Flush Thread SCH 40	4	.237	
	20	50	8	4" PVC Screen	Flush Thread SCH 40	4	.237	.010
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	2	8	Concrete	.5	poured		
	2	13	8	Cement Bentonite Grout	3	Tremie		
	13	18	8	Bentonite Chips	1.5	poured		
	18	51	8	10/20 Sand	9	poured		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

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

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
	0	19	19	clayey silt and sands	Y ✓ N	
	19	27	8	silty clay	Y ✓ N	
	27	35	8	sandstone	Y ✓ N	
	35	51	16	clay and shale	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	
5. TEST; RIG SUPERVISION	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Jason Camp					
6. SIGNATURE	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.					
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME				9/3/2021 DATE	

FOR USE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 21 (MW-26)		WELL TAG ID NO. MW-26		OSE FILE NO(S). SJ-4231			
	WELL OWNER NAME(S) El Paso CGO Company, L.L.C. Attn: Joseph Wiley				PHONE (OPTIONAL) 713-420-3475			
	WELL OWNER MAILING ADDRESS 1001 Louisiana Street, Room 757A				CITY Houston	STATE TX	ZIP 77002	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 36	MINUTES 45	SECONDS 38.8 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
LONGITUDE -108 22 9.6 W								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE NE/4, NW/4, Sec 1, T29N, R15W, San Juan County, NM								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD 1664		NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling		
	DRILLING STARTED 7/23/2021	DRILLING ENDED 7/23/2021	DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 57	DEPTH WATER FIRST ENCOUNTERED (FT)			
	COMPLETED WELL IS: ☐ ARTESIAN ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)		
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Sonic							
	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	20	8	4" PVC Blank	Flush Thread SCH 40	4	.237	
	20	55	8	4" PVC Screen	Flush Thread SCH 40	4	.237	.010
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	2	8	Concrete	.5	poured		
	2	13	8	Cement Bentonite Grout	3	Tremie		
	13	18	8	Bentonite Chips	1.5	poured		
	18	57	8	10/20 Sand	10.5	poured		

FOR OSE INTERNAL USE

FILE NO.	POD NO.	WR-20 WELL RECORD & LOG (Version 04/30/19)	
LOCATION	WELL TAG ID NO.	TRN NO.	PAGE 1 OF 2

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

From: [Ronald Cain](#)
To: [Varsa, Steve](#)
Cc: [Shawn Cain](#); [Paisley Brinkerhoff](#); [Malcomson, Robert](#)
Subject: RE: Draft Invoice Blanco Gas Plant_ San Juan Gas Plant Stantec 113-21-1137
Date: Tuesday, February 22, 2022 7:24:52 AM

Hi Steve,

We mailed these to the state quite a while ago (after we completed the revisions you requested). We don't have a tracking number on the mailed package. I will contact the OSE office and confirm they received them.

Ron

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Monday, February 21, 2022 3:02 PM
To: Ronald Cain <RCain@cascade-env.com>
Cc: Shawn Cain <scain@cascade-env.com>; Paisley Brinkerhoff <pbrinkerhoff@cascade-env.com>; Malcomson, Robert <robert.malcomson@stantec.com>
Subject: FW: Draft Invoice Blanco Gas Plant_ San Juan Gas Plant Stantec 113-21-1137

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. If in doubt, contact the Help Desk...

Ron – I'm following up on this request.

Thanks,
Steve

From: Varsa, Steve
Sent: Thursday, February 10, 2022 5:07 AM
To: Ronald Cain <RCain@cascade-env.com>
Cc: Shawn Cain <scain@cascade-env.com>; Paisley Brinkerhoff <pbrinkerhoff@cascade-env.com>; Malcomson, Robert <robert.malcomson@stantec.com>
Subject: RE: Draft Invoice Blanco Gas Plant_ San Juan Gas Plant Stantec 113-21-1137

Hi Ron – can you send me the final, signed copies of the well construction forms and well abandonment form (for Blanco North) for the these two projects, and proof of NMOSE submittal of these forms?

Please reply in separate e-mails for the Blanco Gas Plant and San Juan River Plant projects.

Thank you,
Steve

Stephen Varsa, P.G.
Senior Hydrogeologist
Stantec Environmental Services
Note – we have moved!
11311 Aurora Avenue
Des Moines, Iowa 50322

APPENDIX D WASTEWATER DISPOSAL DOCUMENTATION



BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

NO. **806693**

NMOCD PERMIT: NM -001-0005

Oil Field Waste Document, Form C138

INVOICE:

DATE

GENERATOR:

HAULING CO.

ORDERED BY:

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

DEL. TKT#.

BILL TO:

DRIVER:

(Print Full Name)

CODES:

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		Blanca Gas Plant	1	.70			.70	
2		San Juan River Gas Plant						
3		7 location, GCU-MC4C						
4								
5								

DATE: 03-28-21
GENERATOR: LL PASO
HAULING CO.: Stantec
ORDERED BY: Joe Wiley
WASTE DESCRIPTION: ☒ Exempt Oilfield Waste

DEL. TKT#: _____
BILL TO: LL PASO
DRIVER: Sean Clary
(Print Full Name)
CODES: _____

STATE: ☒ NM ☐ CO ☐ AZ ☐ UT
TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		San Juan River Gas Plant		RW				
2								
3								
4								
5								

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

☐ Approved ☐ Denied
ATTENDANT SIGNATURE [Signature]

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence

200 Montana, Bloomfield, NM 87413

505-632-8936 or 505-334-3013

OPEN 24 Hours per Day

NO. 812523

NMOC D PERMIT: NM -001-0005

Oil Field Waste Document, Form C138

INVOICE:

DATE 7-26-21

DEL. TKT# _____

GENERATOR: StantecBILL TO: StantecHAULING CO. Enviro TechDRIVER: KholetanORDERED BY: Elipse

(Print Full Name)

CODES: _____

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

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1	978	San Juan River Gas Plant	1	.70			7.21 JUL 26 10:43 AM	
2								
3								
4								
5								

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

☒ Approved☐ Denied

ATTENDANT SIGNATURE _____

SAN JUAN PRINTING 2020 1973-1

BASIN DISPOSAL

30 Years of Environmental Health and Safety Excellence
200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NO. **814083**
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 8-1-21
GENERATOR: Stantec
HAULING CO.: ENVirotech
ORDERED BY: Steven VASIN

DEL. TKT#:
BILL TO: Stantec
DRIVER: DAVID
(Print Full Name)
CODES:

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☐ Produced Water ☐ Drilling/Completion Fluids
STATE: ☒ NM ☐ CO ☐ AZ ☐ UT
TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1	978	SAN JUAN River (gas plant)	1	20			280	
2		mile Federal 1A	8					
3								
4								
5								

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

☒ Approved ☐ Denied
ATTENDANT SIGNATURE [Signature]
SAN JUAN PRINTING 2020 1973-1



30 Years of Environmental Health and Safety Excellence
200 Montana, Bloomfield, NM 87413
505-632-8936 or 505-334-3013
OPEN 24 Hours per Day

NO. **817275**
NMOCD PERMIT: NM -001-0005
Oil Field Waste Document, Form C138
INVOICE:

DATE 11-08-21
GENERATOR: El Paso Natural Gas Company
HAULING CO. Stantec
ORDERED BY: Top W.

DEL. TKT# _____
BILL TO: El Paso Natural
DRIVER: Sean Ca
(Print Full Name)
CODES: _____

WASTE DESCRIPTION: ☒ Exempt Oilfield Waste ☒ Produced Water ☐ Drilling/Completion Fluids
STATE: ☒ NM ☐ CO ☐ AZ ☐ UT TREATMENT/DISPOSAL METHODS: ☒ EVAPORATION ☒ INJECTION ☒ TREATING PLANT

NO.	TRUCK	LOCATION(S)	VOLUME	COST	H2S	COST	TOTAL	TIME
1		San Juan River Gas Plant	/	.20			704	
2			/					
3			/					
4			/					
5			/					

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

☒ Approved ☐ Denied ATTENDANT SIGNATURE [Signature]

SAN JUAN PRINTING 2020 1973-1

APPENDIX E SOIL DISPOSAL DOCUMENTATION





envirotech

Bill of Lading

MANIFEST # 69341

GENERATOR EL Paso (Kendermorgan)

POINT OF ORIGIN: S. J. River gas plant

TRANSPORTER *Envirotech*

DATE 08.25.21 JOB # 14073-0056

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

[illegible]

Generator Onsite Contact _____ Phone _____

Signatures required prior to distribution of the legal document.

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

Released to Imaging: 10/31/2022 2:52:08 PM

BOL# 69341

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 08.25.21 TIME 0930

Attach test strip here

CUSTOMER EL PASOSITE S.J. River Gas PlantDRIVER Damon [signature]SAMPLE Soil Straight X With Dirt _____CHLORIDE TEST -286 mg/KgACCEPTED YES ✓ NO _____PAINT FILTER TEST Time started 0930 Time completed 0940PASS YES ✓ NO _____SAMPLER/ANALYST Gary Robinson

APPENDIX F LABORATORY ANALYTICAL DATA SOIL





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-206427-1
Client Project/Site: San Juan River Plant

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

Attn: Steve Varsa

Authorized for release by:
8/16/2021 6:19:14 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

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

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Laboratory Job ID: 400-206427-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Job ID: 400-206427-1**Laboratory: Eurofins TestAmerica, Pensacola****Narrative****Job Narrative
400-206427-1****Comments**

No additional comments.

Receipt

The samples were received on 7/27/2021 10:52 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 5.8° C.

GC/MS VOA

Method 8260C: The matrix spike (MS) recoveries for preparation batch 860-17391 and analytical batch 860-17524 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: (840-385-A-2-A) and (840-385-A-2-A MS). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW25 38-39FT. (400-206427-6) and (400-206427-C-6-B MS). Elevated reporting limits (RLs) are provided.

Method 8260C: Due to the high concentration of m-Xylene & p-Xylene, the matrix spike (MS) for preparation batch 860-17181 and analytical batch 860-17827 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW26 49-51 FT. (400-206427-8). 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 VOA

Method 8015D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 860-17453 and analytical batch 860-17578 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

Metals

Method 6010B: The method blank for preparation batch 860-18152 and analytical batch 860-18357 contained Selenium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 6010B: Due to the high concentration of Aluminium and Iron, the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 860-18152 and analytical batch 860-18430 could not be evaluated for accuracy and precision. The associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) met acceptance criteria.

Method 7471A: The method blank for preparation batch 860-16880 and analytical batch 860-17069 contained Mercury above the method detection limit (MDL). Associated samples were not re-analyzed because results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 860-16882 and analytical batch 860-17069 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Job ID: 400-206427-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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.

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW24 17.5-20 FT.

Lab Sample ID: 400-206427-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0011		0.0011	0.00023	mg/Kg	1	✱	8260C	Total/NA
Toluene	0.0036	J	0.0056	0.0011	mg/Kg	1	✱	8260C	Total/NA
Ethylbenzene	0.00062	J	0.0011	0.00038	mg/Kg	1	✱	8260C	Total/NA
Xylenes, Total	0.0021	J	0.0022	0.0011	mg/Kg	1	✱	8260C	Total/NA
Chloride	7.0	J	11	4.0	mg/Kg	1	✱	300.0	Total/NA
Aluminum	16000		1100	64	mg/Kg	50	✱	6010B	Total/NA
Arsenic	3.4		1.1	0.45	mg/Kg	1	✱	6010B	Total/NA
Boron	3.1	J F1	5.3	0.63	mg/Kg	1	✱	6010B	Total/NA
Barium	58	F1	1.1	0.13	mg/Kg	1	✱	6010B	Total/NA
Cobalt	3.8		1.1	0.31	mg/Kg	1	✱	6010B	Total/NA
Chromium	7.3		1.1	0.074	mg/Kg	1	✱	6010B	Total/NA
Iron	24000		1100	140	mg/Kg	50	✱	6010B	Total/NA
Manganese	98	F1	2.1	0.29	mg/Kg	1	✱	6010B	Total/NA
Molybdenum	0.41	J	1.1	0.11	mg/Kg	1	✱	6010B	Total/NA
Nickel	5.4		1.1	0.26	mg/Kg	1	✱	6010B	Total/NA
Lead	9.9		1.1	0.50	mg/Kg	1	✱	6010B	Total/NA
Mercury	0.068	B	0.020	0.0039	mg/Kg	1	✱	7471A	Total/NA

Client Sample ID: MW24 20.22.5 FT.

Lab Sample ID: 400-206427-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0040		0.0013	0.00027	mg/Kg	1	✱	8260C	Total/NA
Toluene	0.011		0.0064	0.0013	mg/Kg	1	✱	8260C	Total/NA
Ethylbenzene	0.0017		0.0013	0.00043	mg/Kg	1	✱	8260C	Total/NA
Xylenes, Total	0.0093		0.0026	0.0013	mg/Kg	1	✱	8260C	Total/NA
Chloride	12	J	13	4.5	mg/Kg	1	✱	300.0	Total/NA
Aluminum	11000		1200	70	mg/Kg	50	✱	6010B	Total/NA
Arsenic	3.1		1.2	0.49	mg/Kg	1	✱	6010B	Total/NA
Boron	2.1	J	5.8	0.70	mg/Kg	1	✱	6010B	Total/NA
Barium	80		1.2	0.15	mg/Kg	1	✱	6010B	Total/NA
Cobalt	4.8		1.2	0.35	mg/Kg	1	✱	6010B	Total/NA
Chromium	5.9		1.2	0.082	mg/Kg	1	✱	6010B	Total/NA
Iron	17000		1200	160	mg/Kg	50	✱	6010B	Total/NA
Manganese	110		2.3	0.32	mg/Kg	1	✱	6010B	Total/NA
Molybdenum	0.50	J	1.2	0.12	mg/Kg	1	✱	6010B	Total/NA
Nickel	7.2		1.2	0.29	mg/Kg	1	✱	6010B	Total/NA
Lead	14		1.2	0.55	mg/Kg	1	✱	6010B	Total/NA
Selenium	1.6	J B	3.5	0.58	mg/Kg	1	✱	6010B	Total/NA
Mercury	0.039	B	0.025	0.0047	mg/Kg	1	✱	7471A	Total/NA

Client Sample ID: MW25 9-11 FT.

Lab Sample ID: 400-206427-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00038	J	0.0011	0.00023	mg/Kg	1	✱	8260C	Total/NA
Toluene	0.0015	J	0.0056	0.0011	mg/Kg	1	✱	8260C	Total/NA
Xylenes, Total	0.0011	J	0.0023	0.0011	mg/Kg	1	✱	8260C	Total/NA
Chloride	13		11	4.0	mg/Kg	1	✱	300.0	Total/NA
Aluminum	5300		22	1.3	mg/Kg	1	✱	6010B	Total/NA
Arsenic	2.0		1.1	0.47	mg/Kg	1	✱	6010B	Total/NA
Barium	26		1.1	0.14	mg/Kg	1	✱	6010B	Total/NA
Cobalt	5.3		1.1	0.33	mg/Kg	1	✱	6010B	Total/NA
Chromium	3.8		1.1	0.077	mg/Kg	1	✱	6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 9-11 FT. (Continued)

Lab Sample ID: 400-206427-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	11000		220	30	mg/Kg	10	✱	6010B	Total/NA
Manganese	180		2.2	0.31	mg/Kg	1	✱	6010B	Total/NA
Molybdenum	0.56	J	1.1	0.12	mg/Kg	1	✱	6010B	Total/NA
Nickel	4.5		1.1	0.27	mg/Kg	1	✱	6010B	Total/NA
Lead	4.4		1.1	0.52	mg/Kg	1	✱	6010B	Total/NA
Selenium	1.1	J B	3.3	0.55	mg/Kg	1	✱	6010B	Total/NA
Mercury	0.0065	J B	0.021	0.0040	mg/Kg	1	✱	7471A	Total/NA

Client Sample ID: MW25 13-15 FT.

Lab Sample ID: 400-206427-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00046	J	0.0012	0.00025	mg/Kg	1	✱	8260C	Total/NA
Toluene	0.0019	J	0.0061	0.0012	mg/Kg	1	✱	8260C	Total/NA
Xylenes, Total	0.0015	J	0.0024	0.0012	mg/Kg	1	✱	8260C	Total/NA
Chloride	12		12	4.4	mg/Kg	1	✱	300.0	Total/NA
Aluminum	8300		23	1.4	mg/Kg	1	✱	6010B	Total/NA
Arsenic	2.4		1.1	0.48	mg/Kg	1	✱	6010B	Total/NA
Boron	2.1	J	5.7	0.68	mg/Kg	1	✱	6010B	Total/NA
Barium	25		1.1	0.14	mg/Kg	1	✱	6010B	Total/NA
Cobalt	5.5		1.1	0.34	mg/Kg	1	✱	6010B	Total/NA
Chromium	7.7		1.1	0.080	mg/Kg	1	✱	6010B	Total/NA
Iron	17000		1100	150	mg/Kg	50	✱	6010B	Total/NA
Manganese	210		2.3	0.31	mg/Kg	1	✱	6010B	Total/NA
Molybdenum	0.82	J	1.1	0.12	mg/Kg	1	✱	6010B	Total/NA
Nickel	4.7		1.1	0.28	mg/Kg	1	✱	6010B	Total/NA
Lead	7.2		1.1	0.54	mg/Kg	1	✱	6010B	Total/NA
Mercury	0.0067	J B	0.024	0.0047	mg/Kg	1	✱	7471A	Total/NA

Client Sample ID: MW25 19-21 FT.

Lab Sample ID: 400-206427-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0020		0.0011	0.00023	mg/Kg	1	✱	8260C	Total/NA
Toluene	0.0076		0.0056	0.0011	mg/Kg	1	✱	8260C	Total/NA
Ethylbenzene	0.0016		0.0011	0.00037	mg/Kg	1	✱	8260C	Total/NA
Xylenes, Total	0.0094		0.0022	0.0011	mg/Kg	1	✱	8260C	Total/NA
Chloride	13		11	3.9	mg/Kg	1	✱	300.0	Total/NA
Aluminum	9500		920	55	mg/Kg	50	✱	6010B	Total/NA
Arsenic	1.2		0.92	0.39	mg/Kg	1	✱	6010B	Total/NA
Boron	1.0	J	4.6	0.55	mg/Kg	1	✱	6010B	Total/NA
Barium	30		0.92	0.12	mg/Kg	1	✱	6010B	Total/NA
Cobalt	14		0.92	0.27	mg/Kg	1	✱	6010B	Total/NA
Chromium	4.8		0.92	0.065	mg/Kg	1	✱	6010B	Total/NA
Iron	17000		920	120	mg/Kg	50	✱	6010B	Total/NA
Manganese	150		1.8	0.26	mg/Kg	1	✱	6010B	Total/NA
Nickel	7.5		0.92	0.23	mg/Kg	1	✱	6010B	Total/NA
Lead	10		0.92	0.44	mg/Kg	1	✱	6010B	Total/NA
Mercury	0.021	B	0.020	0.0039	mg/Kg	1	✱	7471A	Total/NA

Client Sample ID: MW25 38-39FT.

Lab Sample ID: 400-206427-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.15		0.029	0.0059	mg/Kg	25	✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 38-39FT. (Continued)

Lab Sample ID: 400-206427-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.79		0.14	0.029	mg/Kg	25	✱	8260C	Total/NA
Ethylbenzene	0.18		0.029	0.0096	mg/Kg	25	✱	8260C	Total/NA
Xylenes, Total	2.2		0.057	0.028	mg/Kg	25	✱	8260C	Total/NA
Gasoline Range Organics (GRO)-C6-C10	47		11	2.9	mg/Kg	50	✱	8015D	Total/NA
Diesel Range Organics (DRO)	6.3	J	7.7	2.8	mg/Kg	1	✱	8015D	Total/NA
Oil Range Organics (ORO)	6.9	J	7.7	3.9	mg/Kg	1	✱	8015D	Total/NA
Chloride	25		11	4.1	mg/Kg	1	✱	300.0	Total/NA
Aluminum	19000		1100	67	mg/Kg	50	✱	6010B	Total/NA
Arsenic	5.5		1.1	0.47	mg/Kg	1	✱	6010B	Total/NA
Boron	3.5	J	5.5	0.66	mg/Kg	1	✱	6010B	Total/NA
Barium	100		1.1	0.14	mg/Kg	1	✱	6010B	Total/NA
Cobalt	11		1.1	0.33	mg/Kg	1	✱	6010B	Total/NA
Chromium	6.9		1.1	0.078	mg/Kg	1	✱	6010B	Total/NA
Iron	26000		1100	150	mg/Kg	50	✱	6010B	Total/NA
Manganese	170		2.2	0.31	mg/Kg	1	✱	6010B	Total/NA
Molybdenum	1.7		1.1	0.12	mg/Kg	1	✱	6010B	Total/NA
Nickel	15		1.1	0.27	mg/Kg	1	✱	6010B	Total/NA
Lead	16		1.1	0.53	mg/Kg	1	✱	6010B	Total/NA
Selenium	1.3	J B	3.3	0.55	mg/Kg	1	✱	6010B	Total/NA
Mercury	0.042	B	0.023	0.0044	mg/Kg	1	✱	7471A	Total/NA

Client Sample ID: MW26 23-25 FT.

Lab Sample ID: 400-206427-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.020		0.0012	0.00024	mg/Kg	1	✱	8260C	Total/NA
Toluene	0.056		0.0058	0.0012	mg/Kg	1	✱	8260C	Total/NA
Ethylbenzene	0.0061		0.0012	0.00039	mg/Kg	1	✱	8260C	Total/NA
Xylenes, Total	0.036		0.0023	0.0011	mg/Kg	1	✱	8260C	Total/NA
Chloride	21		12	4.1	mg/Kg	1	✱	300.0	Total/NA
Aluminum	15000		1000	63	mg/Kg	50	✱	6010B	Total/NA
Arsenic	14		1.0	0.44	mg/Kg	1	✱	6010B	Total/NA
Boron	2.2	J	5.2	0.63	mg/Kg	1	✱	6010B	Total/NA
Barium	23		1.0	0.13	mg/Kg	1	✱	6010B	Total/NA
Cobalt	25		1.0	0.31	mg/Kg	1	✱	6010B	Total/NA
Chromium	6.7		1.0	0.074	mg/Kg	1	✱	6010B	Total/NA
Iron	29000		1000	140	mg/Kg	50	✱	6010B	Total/NA
Manganese	220		2.1	0.29	mg/Kg	1	✱	6010B	Total/NA
Molybdenum	1.8		1.0	0.11	mg/Kg	1	✱	6010B	Total/NA
Nickel	16		1.0	0.26	mg/Kg	1	✱	6010B	Total/NA
Lead	20		1.0	0.50	mg/Kg	1	✱	6010B	Total/NA
Selenium	1.8	J B	3.1	0.52	mg/Kg	1	✱	6010B	Total/NA
Mercury	0.062	F2	0.023	0.0044	mg/Kg	1	✱	7471A	Total/NA

Client Sample ID: MW26 49-51 FT.

Lab Sample ID: 400-206427-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0083		0.0012	0.00024	mg/Kg	1	✱	8260C	Total/NA
Ethylbenzene	0.10		0.0012	0.00039	mg/Kg	1	✱	8260C	Total/NA
Toluene - DL	1.2		0.57	0.11	mg/Kg	100	✱	8260C	Total/NA
Xylenes, Total - DL	5.2		0.23	0.11	mg/Kg	100	✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW26 49-51 FT. (Continued)

Lab Sample ID: 400-206427-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Gasoline Range Organics (GRO)-C6-C10	91		11	2.9	mg/Kg	50		✱	8015D	Total/NA
Diesel Range Organics (DRO)	12		7.7	2.8	mg/Kg	1		✱	8015D	Total/NA
Chloride	15		12	4.1	mg/Kg	1		✱	300.0	Total/NA
Aluminum	14000		980	59	mg/Kg	50		✱	6010B	Total/NA
Arsenic	2.2		0.98	0.41	mg/Kg	1		✱	6010B	Total/NA
Boron	1.9	J	4.9	0.59	mg/Kg	1		✱	6010B	Total/NA
Barium	46		0.98	0.12	mg/Kg	1		✱	6010B	Total/NA
Cobalt	3.7		0.98	0.29	mg/Kg	1		✱	6010B	Total/NA
Chromium	4.5		0.98	0.069	mg/Kg	1		✱	6010B	Total/NA
Iron	21000		980	130	mg/Kg	50		✱	6010B	Total/NA
Manganese	160		2.0	0.27	mg/Kg	1		✱	6010B	Total/NA
Molybdenum	1.5		0.98	0.10	mg/Kg	1		✱	6010B	Total/NA
Nickel	5.6		0.98	0.24	mg/Kg	1		✱	6010B	Total/NA
Lead	13		0.98	0.47	mg/Kg	1		✱	6010B	Total/NA
Mercury	0.036		0.021	0.0040	mg/Kg	1		✱	7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-206427-1	MW24 17.5-20 FT.	Solid	07/22/21 12:20	07/27/21 10:52
400-206427-2	MW24 20.22.5 FT.	Solid	07/22/21 12:35	07/27/21 10:52
400-206427-3	MW25 9-11 FT.	Solid	07/22/21 16:20	07/27/21 10:52
400-206427-4	MW25 13-15 FT.	Solid	07/22/21 16:25	07/27/21 10:52
400-206427-5	MW25 19-21 FT.	Solid	07/22/21 16:40	07/27/21 10:52
400-206427-6	MW25 38-39FT.	Solid	07/22/21 17:30	07/27/21 10:52
400-206427-7	MW26 23-25 FT.	Solid	07/23/21 09:30	07/27/21 10:52
400-206427-8	MW26 49-51 FT.	Solid	07/23/21 10:25	07/27/21 10:52

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW24 17.5-20 FT.

Lab Sample ID: 400-206427-1

Date Collected: 07/22/21 12:20

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 89.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0011		0.0011	0.00023	mg/Kg	✱	08/04/21 10:14	08/04/21 14:36	1
Toluene	0.0036	J	0.0056	0.0011	mg/Kg	✱	08/04/21 10:14	08/04/21 14:36	1
Ethylbenzene	0.00062	J	0.0011	0.00038	mg/Kg	✱	08/04/21 10:14	08/04/21 14:36	1
Xylenes, Total	0.0021	J	0.0022	0.0011	mg/Kg	✱	08/04/21 10:14	08/04/21 14:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		56 - 150	08/04/21 10:14	08/04/21 14:36	1
4-Bromofluorobenzene (Surr)	98		68 - 152	08/04/21 10:14	08/04/21 14:36	1
Dibromofluoromethane (Surr)	105		53 - 142	08/04/21 10:14	08/04/21 14:36	1
Toluene-d8 (Surr)	98		70 - 130	08/04/21 10:14	08/04/21 14:36	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2.8	U	11	2.8	mg/Kg	✱	08/02/21 17:53	08/04/21 02:56	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	08/02/21 17:53	08/04/21 02:56	50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	2.7	U	7.5	2.7	mg/Kg	✱	07/29/21 09:48	07/30/21 18:06	1
Oil Range Organics (ORO)	3.8	U	7.5	3.8	mg/Kg	✱	07/29/21 09:48	07/30/21 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Pentacosane	92		40 - 130	07/29/21 09:48	07/30/21 18:06	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.0	J	11	4.0	mg/Kg	✱	08/06/21 12:21	08/06/21 15:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000		1100	64	mg/Kg	✱	08/09/21 08:44	08/10/21 11:59	50
Arsenic	3.4		1.1	0.45	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Boron	3.1	J F1	5.3	0.63	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Barium	58	F1	1.1	0.13	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Cadmium	0.25	U	1.1	0.25	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Cobalt	3.8		1.1	0.31	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Chromium	7.3		1.1	0.074	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Iron	24000		1100	140	mg/Kg	✱	08/09/21 08:44	08/10/21 11:59	50
Manganese	98	F1	2.1	0.29	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Molybdenum	0.41	J	1.1	0.11	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Nickel	5.4		1.1	0.26	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Lead	9.9		1.1	0.50	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1
Selenium	0.53	U	3.2	0.53	mg/Kg	✱	08/09/21 08:44	08/09/21 22:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.068	B	0.020	0.0039	mg/Kg	✱	07/29/21 09:11	07/29/21 14:19	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW24 17.5-20 FT.
Date Collected: 07/22/21 12:20
Date Received: 07/27/21 10:52

Lab Sample ID: 400-206427-1
Matrix: Solid
Percent Solids: 89.3

General Chemistry										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Percent Moisture	11				%			07/29/21 07:01	1	
Percent Solids	89				%			07/29/21 07:01	1	

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW24 20.22.5 FT.

Lab Sample ID: 400-206427-2

Date Collected: 07/22/21 12:35

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0040		0.0013	0.00027	mg/Kg	✱	08/02/21 16:15	08/03/21 20:16	1
Toluene	0.011		0.0064	0.0013	mg/Kg	✱	08/02/21 16:15	08/03/21 20:16	1
Ethylbenzene	0.0017		0.0013	0.00043	mg/Kg	✱	08/02/21 16:15	08/03/21 20:16	1
Xylenes, Total	0.0093		0.0026	0.0013	mg/Kg	✱	08/02/21 16:15	08/03/21 20:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	137		56 - 150				08/02/21 16:15	08/03/21 20:16	1
4-Bromofluorobenzene (Surr)	105		68 - 152				08/02/21 16:15	08/03/21 20:16	1
Dibromofluoromethane (Surr)	102		53 - 142				08/02/21 16:15	08/03/21 20:16	1
Toluene-d8 (Surr)	94		70 - 130				08/02/21 16:15	08/03/21 20:16	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3.2	U	13	3.2	mg/Kg	✱	08/02/21 17:53	08/03/21 18:38	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				08/02/21 17:53	08/03/21 18:38	50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	3.1	U	8.5	3.1	mg/Kg	✱	07/29/21 09:48	07/30/21 18:28	1
Oil Range Organics (ORO)	4.3	U	8.5	4.3	mg/Kg	✱	07/29/21 09:48	07/30/21 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Pentacosane	98		40 - 130				07/29/21 09:48	07/30/21 18:28	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12	J	13	4.5	mg/Kg	✱	08/06/21 12:21	08/06/21 15:44	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		1200	70	mg/Kg	✱	08/09/21 08:44	08/10/21 12:10	50
Arsenic	3.1		1.2	0.49	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Boron	2.1	J	5.8	0.70	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Barium	80		1.2	0.15	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Cadmium	0.28	U	1.2	0.28	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Cobalt	4.8		1.2	0.35	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Chromium	5.9		1.2	0.082	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Iron	17000		1200	160	mg/Kg	✱	08/09/21 08:44	08/10/21 12:10	50
Manganese	110		2.3	0.32	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Molybdenum	0.50	J	1.2	0.12	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Nickel	7.2		1.2	0.29	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Lead	14		1.2	0.55	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1
Selenium	1.6	J B	3.5	0.58	mg/Kg	✱	08/09/21 08:44	08/09/21 22:37	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.039	B	0.025	0.0047	mg/Kg	✱	07/29/21 09:11	07/29/21 14:21	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW24 20.22.5 FT.
Date Collected: 07/22/21 12:35
Date Received: 07/27/21 10:52

Lab Sample ID: 400-206427-2
Matrix: Solid
Percent Solids: 78.2

General Chemistry										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Percent Moisture	22				%			07/29/21 07:01	1	
Percent Solids	78				%			07/29/21 07:01	1	

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 9-11 FT.

Lab Sample ID: 400-206427-3

Date Collected: 07/22/21 16:20

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 89.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00038	J	0.0011	0.00023	mg/Kg	✱	08/02/21 16:15	08/03/21 20:36	1
Toluene	0.0015	J	0.0056	0.0011	mg/Kg	✱	08/02/21 16:15	08/03/21 20:36	1
Ethylbenzene	0.00038	U	0.0011	0.00038	mg/Kg	✱	08/02/21 16:15	08/03/21 20:36	1
Xylenes, Total	0.0011	J	0.0023	0.0011	mg/Kg	✱	08/02/21 16:15	08/03/21 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	135		56 - 150				08/02/21 16:15	08/03/21 20:36	1
4-Bromofluorobenzene (Surr)	109		68 - 152				08/02/21 16:15	08/03/21 20:36	1
Dibromofluoromethane (Surr)	102		53 - 142				08/02/21 16:15	08/03/21 20:36	1
Toluene-d8 (Surr)	98		70 - 130				08/02/21 16:15	08/03/21 20:36	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2.8	U	11	2.8	mg/Kg	✱	08/02/21 17:53	08/03/21 19:09	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				08/02/21 17:53	08/03/21 19:09	50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	2.7	U	7.5	2.7	mg/Kg	✱	07/29/21 09:48	07/30/21 18:50	1
Oil Range Organics (ORO)	3.8	U	7.5	3.8	mg/Kg	✱	07/29/21 09:48	07/30/21 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Pentacosane	83		40 - 130				07/29/21 09:48	07/30/21 18:50	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		11	4.0	mg/Kg	✱	08/06/21 12:21	08/06/21 16:28	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5300		22	1.3	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Arsenic	2.0		1.1	0.47	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Boron	0.66	U	5.5	0.66	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Barium	26		1.1	0.14	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Cadmium	0.26	U	1.1	0.26	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Cobalt	5.3		1.1	0.33	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Chromium	3.8		1.1	0.077	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Iron	11000		220	30	mg/Kg	✱	08/09/21 08:44	08/10/21 12:14	10
Manganese	180		2.2	0.31	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Molybdenum	0.56	J	1.1	0.12	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Nickel	4.5		1.1	0.27	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Lead	4.4		1.1	0.52	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1
Selenium	1.1	J B	3.3	0.55	mg/Kg	✱	08/09/21 08:44	08/09/21 22:40	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0065	J B	0.021	0.0040	mg/Kg	✱	07/29/21 09:11	07/29/21 14:22	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 9-11 FT.
Date Collected: 07/22/21 16:20
Date Received: 07/27/21 10:52

Lab Sample ID: 400-206427-3
Matrix: Solid
Percent Solids: 89.1

General Chemistry										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Percent Moisture	11				%			07/29/21 07:01	1	
Percent Solids	89				%			07/29/21 07:01	1	

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 13-15 FT.

Lab Sample ID: 400-206427-4

Date Collected: 07/22/21 16:25

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00046	J	0.0012	0.00025	mg/Kg	✱	08/02/21 16:15	08/03/21 20:56	1
Toluene	0.0019	J	0.0061	0.0012	mg/Kg	✱	08/02/21 16:15	08/03/21 20:56	1
Ethylbenzene	0.00041	U	0.0012	0.00041	mg/Kg	✱	08/02/21 16:15	08/03/21 20:56	1
Xylenes, Total	0.0015	J	0.0024	0.0012	mg/Kg	✱	08/02/21 16:15	08/03/21 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	127		56 - 150				08/02/21 16:15	08/03/21 20:56	1
4-Bromofluorobenzene (Surr)	106		68 - 152				08/02/21 16:15	08/03/21 20:56	1
Dibromofluoromethane (Surr)	102		53 - 142				08/02/21 16:15	08/03/21 20:56	1
Toluene-d8 (Surr)	95		70 - 130				08/02/21 16:15	08/03/21 20:56	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	3.0	U	12	3.0	mg/Kg	✱	08/02/21 17:53	08/03/21 19:40	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				08/02/21 17:53	08/03/21 19:40	50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	3.0	U	8.1	3.0	mg/Kg	✱	07/29/21 09:48	07/30/21 19:12	1
Oil Range Organics (ORO)	4.1	U	8.1	4.1	mg/Kg	✱	07/29/21 09:48	07/30/21 19:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Pentacosane	85		40 - 130				07/29/21 09:48	07/30/21 19:12	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12		12	4.4	mg/Kg	✱	08/06/21 12:21	08/06/21 16:37	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8300		23	1.4	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Arsenic	2.4		1.1	0.48	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Boron	2.1	J	5.7	0.68	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Barium	25		1.1	0.14	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Cadmium	0.27	U	1.1	0.27	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Cobalt	5.5		1.1	0.34	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Chromium	7.7		1.1	0.080	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Iron	17000		1100	150	mg/Kg	✱	08/09/21 08:44	08/10/21 12:17	50
Manganese	210		2.3	0.31	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Molybdenum	0.82	J	1.1	0.12	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Nickel	4.7		1.1	0.28	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Lead	7.2		1.1	0.54	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1
Selenium	0.56	U	3.4	0.56	mg/Kg	✱	08/09/21 08:44	08/09/21 22:44	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0067	J B	0.024	0.0047	mg/Kg	✱	07/29/21 09:11	07/29/21 14:23	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 13-15 FT.
Date Collected: 07/22/21 16:25
Date Received: 07/27/21 10:52

Lab Sample ID: 400-206427-4
Matrix: Solid
Percent Solids: 81.9

General Chemistry										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Percent Moisture	18				%			07/29/21 07:01	1	
Percent Solids	82				%			07/29/21 07:01	1	

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 19-21 FT.

Lab Sample ID: 400-206427-5

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 90.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0020		0.0011	0.00023	mg/Kg	☆	08/02/21 16:15	08/03/21 21:16	1
Toluene	0.0076		0.0056	0.0011	mg/Kg	☆	08/02/21 16:15	08/03/21 21:16	1
Ethylbenzene	0.0016		0.0011	0.00037	mg/Kg	☆	08/02/21 16:15	08/03/21 21:16	1
Xylenes, Total	0.0094		0.0022	0.0011	mg/Kg	☆	08/02/21 16:15	08/03/21 21:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	128		56 - 150	08/02/21 16:15	08/03/21 21:16	1
4-Bromofluorobenzene (Surr)	101		68 - 152	08/02/21 16:15	08/03/21 21:16	1
Dibromofluoromethane (Surr)	106		53 - 142	08/02/21 16:15	08/03/21 21:16	1
Toluene-d8 (Surr)	93		70 - 130	08/02/21 16:15	08/03/21 21:16	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2.8	U	11	2.8	mg/Kg	☆	08/02/21 17:53	08/04/21 03:26	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	08/02/21 17:53	08/04/21 03:26	50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	2.7	U	7.4	2.7	mg/Kg	☆	07/29/21 09:48	07/29/21 23:45	1
Oil Range Organics (ORO)	3.7	U	7.4	3.7	mg/Kg	☆	07/29/21 09:48	07/29/21 23:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Pentacosane	82		40 - 130	07/29/21 09:48	07/29/21 23:45	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		11	3.9	mg/Kg	☆	08/06/21 12:21	08/06/21 16:46	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9500		920	55	mg/Kg	☆	08/09/21 08:44	08/10/21 12:21	50
Arsenic	1.2		0.92	0.39	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Boron	1.0	J	4.6	0.55	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Barium	30		0.92	0.12	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Cadmium	0.22	U	0.92	0.22	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Cobalt	14		0.92	0.27	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Chromium	4.8		0.92	0.065	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Iron	17000		920	120	mg/Kg	☆	08/09/21 08:44	08/10/21 12:21	50
Manganese	150		1.8	0.26	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Molybdenum	0.097	U	0.92	0.097	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Nickel	7.5		0.92	0.23	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Lead	10		0.92	0.44	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1
Selenium	0.46	U	2.8	0.46	mg/Kg	☆	08/09/21 08:44	08/09/21 22:47	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	B	0.020	0.0039	mg/Kg	☆	07/29/21 09:11	07/29/21 14:25	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 19-21 FT.
Date Collected: 07/22/21 16:40
Date Received: 07/27/21 10:52

Lab Sample ID: 400-206427-5
Matrix: Solid
Percent Solids: 90.6

General Chemistry										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Percent Moisture	9.4				%			07/29/21 07:01	1	
Percent Solids	91				%			07/29/21 07:01	1	

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 38-39FT.

Lab Sample ID: 400-206427-6

Date Collected: 07/22/21 17:30

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 87.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.15		0.029	0.0059	mg/Kg	☆	07/30/21 10:10	08/05/21 15:37	25
Toluene	0.79		0.14	0.029	mg/Kg	☆	07/30/21 10:10	08/05/21 15:37	25
Ethylbenzene	0.18		0.029	0.0096	mg/Kg	☆	07/30/21 10:10	08/05/21 15:37	25
Xylenes, Total	2.2		0.057	0.028	mg/Kg	☆	07/30/21 10:10	08/05/21 15:37	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		56 - 150	07/30/21 10:10	08/05/21 15:37	25
4-Bromofluorobenzene (Surr)	104		68 - 152	07/30/21 10:10	08/05/21 15:37	25
Dibromofluoromethane (Surr)	98		53 - 142	07/30/21 10:10	08/05/21 15:37	25
Toluene-d8 (Surr)	101		70 - 130	07/30/21 10:10	08/05/21 15:37	25

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	47		11	2.9	mg/Kg	☆	08/02/21 17:53	08/04/21 03:57	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	08/02/21 17:53	08/04/21 03:57	50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	6.3	J	7.7	2.8	mg/Kg	☆	07/29/21 09:48	07/30/21 00:07	1
Oil Range Organics (ORO)	6.9	J	7.7	3.9	mg/Kg	☆	07/29/21 09:48	07/30/21 00:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Pentacosane	71		40 - 130	07/29/21 09:48	07/30/21 00:07	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25		11	4.1	mg/Kg	☆	08/06/21 12:21	08/06/21 16:55	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19000		1100	67	mg/Kg	☆	08/09/21 08:44	08/10/21 12:25	50
Arsenic	5.5		1.1	0.47	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Boron	3.5	J	5.5	0.66	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Barium	100		1.1	0.14	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Cadmium	0.26	U	1.1	0.26	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Cobalt	11		1.1	0.33	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Chromium	6.9		1.1	0.078	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Iron	26000		1100	150	mg/Kg	☆	08/09/21 08:44	08/10/21 12:25	50
Manganese	170		2.2	0.31	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Molybdenum	1.7		1.1	0.12	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Nickel	15		1.1	0.27	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Lead	16		1.1	0.53	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1
Selenium	1.3	J B	3.3	0.55	mg/Kg	☆	08/09/21 08:44	08/09/21 22:51	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.042	B	0.023	0.0044	mg/Kg	☆	07/29/21 09:11	07/29/21 14:26	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 38-39FT.
Date Collected: 07/22/21 17:30
Date Received: 07/27/21 10:52

Lab Sample ID: 400-206427-6
Matrix: Solid
Percent Solids: 87.0

General Chemistry										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Percent Moisture	13				%			07/29/21 07:01	1	
Percent Solids	87				%			07/29/21 07:01	1	

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW26 23-25 FT.

Lab Sample ID: 400-206427-7

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.020		0.0012	0.00024	mg/Kg	✱	07/28/21 18:25	08/04/21 15:17	1
Toluene	0.056		0.0058	0.0012	mg/Kg	✱	07/28/21 18:25	08/04/21 15:17	1
Ethylbenzene	0.0061		0.0012	0.00039	mg/Kg	✱	07/28/21 18:25	08/04/21 15:17	1
Xylenes, Total	0.036		0.0023	0.0011	mg/Kg	✱	07/28/21 18:25	08/04/21 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		56 - 150	07/28/21 18:25	08/04/21 15:17	1
4-Bromofluorobenzene (Surr)	106		68 - 152	07/28/21 18:25	08/04/21 15:17	1
Dibromofluoromethane (Surr)	105		53 - 142	07/28/21 18:25	08/04/21 15:17	1
Toluene-d8 (Surr)	102		70 - 130	07/28/21 18:25	08/04/21 15:17	1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	2.9	U	11	2.9	mg/Kg	✱	08/02/21 17:53	08/04/21 04:28	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	08/02/21 17:53	08/04/21 04:28	50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	2.8	U	7.7	2.8	mg/Kg	✱	07/30/21 09:41	07/31/21 07:36	1
Oil Range Organics (ORO)	3.9	U	7.7	3.9	mg/Kg	✱	07/30/21 09:41	07/31/21 07:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Pentacosane	95		40 - 130	07/30/21 09:41	07/31/21 07:36	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21		12	4.1	mg/Kg	✱	08/06/21 12:21	08/06/21 17:04	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15000		1000	63	mg/Kg	✱	08/09/21 08:44	08/10/21 12:28	50
Arsenic	14		1.0	0.44	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Boron	2.2 J		5.2	0.63	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Barium	23		1.0	0.13	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Cadmium	0.25 U		1.0	0.25	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Cobalt	25		1.0	0.31	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Chromium	6.7		1.0	0.074	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Iron	29000		1000	140	mg/Kg	✱	08/09/21 08:44	08/10/21 12:28	50
Manganese	220		2.1	0.29	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Molybdenum	1.8		1.0	0.11	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Nickel	16		1.0	0.26	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Lead	20		1.0	0.50	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1
Selenium	1.8 J B		3.1	0.52	mg/Kg	✱	08/09/21 08:44	08/09/21 22:55	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.062	F2	0.023	0.0044	mg/Kg	✱	07/29/21 10:30	07/29/21 13:12	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW26 23-25 FT.
Date Collected: 07/23/21 09:30
Date Received: 07/27/21 10:52

Lab Sample ID: 400-206427-7
Matrix: Solid
Percent Solids: 86.6

General Chemistry										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Percent Moisture	13				%			07/29/21 07:01	1	
Percent Solids	87				%			07/29/21 07:01	1	

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW26 49-51 FT.

Lab Sample ID: 400-206427-8

Date Collected: 07/23/21 10:25

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 86.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0083		0.0012	0.00024	mg/Kg	☆	08/03/21 10:36	08/04/21 15:37	1
Ethylbenzene	0.10		0.0012	0.00039	mg/Kg	☆	08/03/21 10:36	08/04/21 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		56 - 150				08/03/21 10:36	08/04/21 15:37	1
4-Bromofluorobenzene (Surr)	147		68 - 152				08/03/21 10:36	08/04/21 15:37	1
Dibromofluoromethane (Surr)	98		53 - 142				08/03/21 10:36	08/04/21 15:37	1
Toluene-d8 (Surr)	102		70 - 130				08/03/21 10:36	08/04/21 15:37	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	1.2		0.57	0.11	mg/Kg	☆	07/28/21 18:25	08/05/21 18:20	100
Xylenes, Total	5.2		0.23	0.11	mg/Kg	☆	07/28/21 18:25	08/05/21 18:20	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		56 - 150				07/28/21 18:25	08/05/21 18:20	100
4-Bromofluorobenzene (Surr)	98		68 - 152				07/28/21 18:25	08/05/21 18:20	100
Dibromofluoromethane (Surr)	97		53 - 142				07/28/21 18:25	08/05/21 18:20	100
Toluene-d8 (Surr)	101		70 - 130				07/28/21 18:25	08/05/21 18:20	100

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	91		11	2.9	mg/Kg	☆	08/02/21 17:53	08/04/21 04:59	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				08/02/21 17:53	08/04/21 04:59	50

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	12		7.7	2.8	mg/Kg	☆	07/30/21 09:41	07/31/21 07:58	1
Oil Range Organics (ORO)	3.9	U	7.7	3.9	mg/Kg	☆	07/30/21 09:41	07/31/21 07:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Pentacosane	97		40 - 130				07/30/21 09:41	07/31/21 07:58	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15		12	4.1	mg/Kg	☆	08/06/21 12:21	08/06/21 17:13	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		980	59	mg/Kg	☆	08/09/21 08:44	08/10/21 12:32	50
Arsenic	2.2		0.98	0.41	mg/Kg	☆	08/09/21 08:44	08/09/21 22:58	1
Boron	1.9	J	4.9	0.59	mg/Kg	☆	08/09/21 08:44	08/09/21 22:58	1
Barium	46		0.98	0.12	mg/Kg	☆	08/09/21 08:44	08/09/21 22:58	1
Cadmium	0.23	U	0.98	0.23	mg/Kg	☆	08/09/21 08:44	08/09/21 22:58	1
Cobalt	3.7		0.98	0.29	mg/Kg	☆	08/09/21 08:44	08/09/21 22:58	1
Chromium	4.5		0.98	0.069	mg/Kg	☆	08/09/21 08:44	08/09/21 22:58	1
Iron	21000		980	130	mg/Kg	☆	08/09/21 08:44	08/10/21 12:32	50
Manganese	160		2.0	0.27	mg/Kg	☆	08/09/21 08:44	08/09/21 22:58	1
Molybdenum	1.5		0.98	0.10	mg/Kg	☆	08/09/21 08:44	08/09/21 22:58	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW26 49-51 FT.

Lab Sample ID: 400-206427-8

Date Collected: 07/23/21 10:25

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 86.6

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	5.6		0.98	0.24	mg/Kg	✱	08/09/21 08:44	08/09/21 22:58	1
Lead	13		0.98	0.47	mg/Kg	✱	08/09/21 08:44	08/09/21 22:58	1
Selenium	0.49	U	2.9	0.49	mg/Kg	✱	08/09/21 08:44	08/09/21 22:58	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.021	0.0040	mg/Kg	✱	07/29/21 10:30	07/29/21 13:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13				%			07/29/21 07:01	1
Percent Solids	87				%			07/29/21 07:01	1

Eurofins TestAmerica, Pensacola

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Qualifiers

GC/MS VOA

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

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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
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.

Metals

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.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

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

Eurofins TestAmerica, Pensacola

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (56-150)	BFB (68-152)	DBFM (53-142)	TOL (70-130)
400-206427-1	MW24 17.5-20 FT.	109	98	105	98
400-206427-2	MW24 20.22.5 FT.	137	105	102	94
400-206427-3	MW25 9-11 FT.	135	109	102	98
400-206427-4	MW25 13-15 FT.	127	106	102	95
400-206427-5	MW25 19-21 FT.	128	101	106	93
400-206427-6	MW25 38-39FT.	97	104	98	101
400-206427-6 MS	MW25 38-39FT.	97	103	101	99
400-206427-7	MW26 23-25 FT.	110	106	105	102
400-206427-8	MW26 49-51 FT.	107	147	98	102
400-206427-8 - DL	MW26 49-51 FT.	99	98	97	101
840-385-A-2-A MS - DL	Matrix Spike	102	126	100	102
860-8786-C-1-E MS	Matrix Spike	100	98	100	101
LCS 860-17524/3	Lab Control Sample	102	113	102	102
LCS 860-17659/3	Lab Control Sample	101	98	103	99
LCS 860-17827/3	Lab Control Sample	100	100	103	100
LCSD 860-17524/4	Lab Control Sample Dup	107	115	104	102
LCSD 860-17659/4	Lab Control Sample Dup	101	99	99	99
LCSD 860-17827/4	Lab Control Sample Dup	103	100	102	98
MB 860-17524/8	Method Blank	101	101	100	96
MB 860-17659/8	Method Blank	102	99	100	101
MB 860-17827/7	Method Blank	102	97	99	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	
400-206427-1	MW24 17.5-20 FT.	108	
400-206427-1 MS	MW24 17.5-20 FT.	105	
400-206427-1 MSD	MW24 17.5-20 FT.	105	
400-206427-2	MW24 20.22.5 FT.	105	
400-206427-3	MW25 9-11 FT.	102	
400-206427-4	MW25 13-15 FT.	108	
400-206427-5	MW25 19-21 FT.	104	
400-206427-6	MW25 38-39FT.	102	
400-206427-7	MW26 23-25 FT.	110	
400-206427-8	MW26 49-51 FT.	96	
LCS 860-17509/5	Lab Control Sample	98	
LCS 860-17578/5	Lab Control Sample	104	
LCSD 860-17509/6	Lab Control Sample Dup	96	
LCSD 860-17578/6	Lab Control Sample Dup	104	
MB 860-17509/10	Method Blank	103	
MB 860-17578/10	Method Blank	106	

Eurofins TestAmerica, Pensacola

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

Method: 8015D - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	n-Pentacosane (40-130)
400-206427-1	MW24 17.5-20 FT.	92
400-206427-2	MW24 20.22.5 FT.	98
400-206427-3	MW25 9-11 FT.	83
400-206427-4	MW25 13-15 FT.	85
400-206427-5	MW25 19-21 FT.	82
400-206427-6	MW25 38-39FT.	71
400-206427-7	MW26 23-25 FT.	95
400-206427-8	MW26 49-51 FT.	97
860-8748-A-11-D MS	Matrix Spike	86
860-8748-A-11-E MSD	Matrix Spike Duplicate	99
860-8853-A-1-D MS	Matrix Spike	102
860-8853-A-1-E MSD	Matrix Spike Duplicate	95
LCS 860-16984/2-A	Lab Control Sample	101
LCS 860-17176/2-A	Lab Control Sample	96
LCSD 860-16984/3-A	Lab Control Sample Dup	98
LCSD 860-17176/3-A	Lab Control Sample Dup	96
MB 860-16984/1-A	Method Blank	90
MB 860-17176/1-A	Method Blank	90

Surrogate Legend

n-Pentacosane = n-Pentacosane

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

GC/MS VOA

Prep Batch: 16922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	5030C	
400-206427-8 - DL	MW26 49-51 FT.	Total/NA	Solid	5030C	

Prep Batch: 17181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-6	MW25 38-39FT.	Total/NA	Solid	5030C	
400-206427-6 MS	MW25 38-39FT.	Total/NA	Solid	5030C	

Prep Batch: 17427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	5030C	
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	5030C	
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	5030C	
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	5030C	

Prep Batch: 17518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	5030C	

Analysis Batch: 17524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	8260C	17427
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	8260C	17427
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	8260C	17427
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	8260C	17427
MB 860-17524/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-17524/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-17524/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 17659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	8260C	17676
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	8260C	16922
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	8260C	17518
MB 860-17659/8	Method Blank	Total/NA	Solid	8260C	
LCS 860-17659/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-17659/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Prep Batch: 17676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	5030C	

Analysis Batch: 17827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-6	MW25 38-39FT.	Total/NA	Solid	8260C	17181
400-206427-8 - DL	MW26 49-51 FT.	Total/NA	Solid	8260C	16922
MB 860-17827/7	Method Blank	Total/NA	Solid	8260C	
LCS 860-17827/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 860-17827/4	Lab Control Sample Dup	Total/NA	Solid	8260C	
400-206427-6 MS	MW25 38-39FT.	Total/NA	Solid	8260C	17181

Eurofins TestAmerica, Pensacola

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

GC VOA

Prep Batch: 17453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	5030C	
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	5030C	
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	5030C	
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	5030C	
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	5030C	
400-206427-6	MW25 38-39FT.	Total/NA	Solid	5030C	
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	5030C	
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	5030C	
400-206427-1 MS	MW24 17.5-20 FT.	Total/NA	Solid	5030C	
400-206427-1 MSD	MW24 17.5-20 FT.	Total/NA	Solid	5030C	

Analysis Batch: 17509

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	8015D	17453
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	8015D	17453
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	8015D	17453
MB 860-17509/10	Method Blank	Total/NA	Solid	8015D	
LCS 860-17509/5	Lab Control Sample	Total/NA	Solid	8015D	
LCSD 860-17509/6	Lab Control Sample Dup	Total/NA	Solid	8015D	

Analysis Batch: 17578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	8015D	17453
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	8015D	17453
400-206427-6	MW25 38-39FT.	Total/NA	Solid	8015D	17453
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	8015D	17453
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	8015D	17453
MB 860-17578/10	Method Blank	Total/NA	Solid	8015D	
LCS 860-17578/5	Lab Control Sample	Total/NA	Solid	8015D	
LCSD 860-17578/6	Lab Control Sample Dup	Total/NA	Solid	8015D	
400-206427-1 MS	MW24 17.5-20 FT.	Total/NA	Solid	8015D	17453
400-206427-1 MSD	MW24 17.5-20 FT.	Total/NA	Solid	8015D	17453

GC Semi VOA

Prep Batch: 16984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	3550C	
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	3550C	
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	3550C	
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	3550C	
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	3550C	
400-206427-6	MW25 38-39FT.	Total/NA	Solid	3550C	
MB 860-16984/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 860-16984/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 860-16984/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 17006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	8015D	16984
400-206427-6	MW25 38-39FT.	Total/NA	Solid	8015D	16984

Eurofins TestAmerica, Pensacola

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

GC Semi VOA

Analysis Batch: 17170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	8015D	16984
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	8015D	16984
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	8015D	16984
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	8015D	16984
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	8015D	17176
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	8015D	17176
MB 860-16984/1-A	Method Blank	Total/NA	Solid	8015D	16984
MB 860-17176/1-A	Method Blank	Total/NA	Solid	8015D	17176
LCS 860-16984/2-A	Lab Control Sample	Total/NA	Solid	8015D	16984
LCS 860-17176/2-A	Lab Control Sample	Total/NA	Solid	8015D	17176
LCSD 860-16984/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	16984
LCSD 860-17176/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	17176

Prep Batch: 17176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	3550C	
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	3550C	
MB 860-17176/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 860-17176/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 860-17176/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

HPLC/IC

Analysis Batch: 17957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	300.0	18031
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	300.0	18031
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	300.0	18031
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	300.0	18031
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	300.0	18031
400-206427-6	MW25 38-39FT.	Total/NA	Solid	300.0	18031
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	300.0	18031
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	300.0	18031
MB 860-18031/1-A	Method Blank	Total/NA	Solid	300.0	18031
LCS 860-18031/2-A	Lab Control Sample	Total/NA	Solid	300.0	18031
LCSD 860-18031/3-A	Lab Control Sample Dup	Total/NA	Solid	300.0	18031
400-206427-1 MS	MW24 17.5-20 FT.	Total/NA	Solid	300.0	18031
400-206427-1 MSD	MW24 17.5-20 FT.	Total/NA	Solid	300.0	18031
400-206427-2 MS	MW24 20.22.5 FT.	Total/NA	Solid	300.0	18031
400-206427-2 MSD	MW24 20.22.5 FT.	Total/NA	Solid	300.0	18031

Prep Batch: 18031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	300_Prep	
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	300_Prep	
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	300_Prep	
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	300_Prep	
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	300_Prep	
400-206427-6	MW25 38-39FT.	Total/NA	Solid	300_Prep	
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	300_Prep	
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	300_Prep	

Eurofins TestAmerica, Pensacola

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

HPLC/IC (Continued)

Prep Batch: 18031 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-18031/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 860-18031/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
LCSD 860-18031/3-A	Lab Control Sample Dup	Total/NA	Solid	300_Prep	
400-206427-1 MS	MW24 17.5-20 FT.	Total/NA	Solid	300_Prep	
400-206427-1 MSD	MW24 17.5-20 FT.	Total/NA	Solid	300_Prep	
400-206427-2 MS	MW24 20.22.5 FT.	Total/NA	Solid	300_Prep	
400-206427-2 MSD	MW24 20.22.5 FT.	Total/NA	Solid	300_Prep	

Metals

Prep Batch: 16880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	7471A	
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	7471A	
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	7471A	
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	7471A	
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	7471A	
400-206427-6	MW25 38-39FT.	Total/NA	Solid	7471A	
MB 860-16880/10-A	Method Blank	Total/NA	Solid	7471A	
LCS 860-16880/36-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 860-16880/11-A	Lab Control Sample Dup	Total/NA	Solid	7471A	

Prep Batch: 16882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	7471A	
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	7471A	
MB 860-16882/10-A	Method Blank	Total/NA	Solid	7471A	
LCS 860-16882/11-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 860-16882/12-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
400-206427-7 MS	MW26 23-25 FT.	Total/NA	Solid	7471A	
400-206427-7 MSD	MW26 23-25 FT.	Total/NA	Solid	7471A	

Analysis Batch: 17069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	7471A	16880
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	7471A	16880
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	7471A	16880
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	7471A	16880
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	7471A	16880
400-206427-6	MW25 38-39FT.	Total/NA	Solid	7471A	16880
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	7471A	16882
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	7471A	16882
MB 860-16880/10-A	Method Blank	Total/NA	Solid	7471A	16880
MB 860-16882/10-A	Method Blank	Total/NA	Solid	7471A	16882
LCS 860-16880/36-A	Lab Control Sample	Total/NA	Solid	7471A	16880
LCS 860-16882/11-A	Lab Control Sample	Total/NA	Solid	7471A	16882
LCSD 860-16880/11-A	Lab Control Sample Dup	Total/NA	Solid	7471A	16880
LCSD 860-16882/12-A	Lab Control Sample Dup	Total/NA	Solid	7471A	16882
400-206427-7 MS	MW26 23-25 FT.	Total/NA	Solid	7471A	16882
400-206427-7 MSD	MW26 23-25 FT.	Total/NA	Solid	7471A	16882

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QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Metals

Prep Batch: 18152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	3051A	
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	3051A	
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	3051A	
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	3051A	
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	3051A	
400-206427-6	MW25 38-39FT.	Total/NA	Solid	3051A	
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	3051A	
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	3051A	
MB 860-18152/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 860-18152/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 860-18152/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	
400-206427-1 MS	MW24 17.5-20 FT.	Total/NA	Solid	3051A	
400-206427-1 MSD	MW24 17.5-20 FT.	Total/NA	Solid	3051A	

Analysis Batch: 18357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	6010B	18152
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	6010B	18152
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	6010B	18152
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	6010B	18152
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	6010B	18152
400-206427-6	MW25 38-39FT.	Total/NA	Solid	6010B	18152
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	6010B	18152
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	6010B	18152
MB 860-18152/1-A	Method Blank	Total/NA	Solid	6010B	18152
LCS 860-18152/2-A	Lab Control Sample	Total/NA	Solid	6010B	18152
LCSD 860-18152/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	18152
400-206427-1 MS	MW24 17.5-20 FT.	Total/NA	Solid	6010B	18152
400-206427-1 MSD	MW24 17.5-20 FT.	Total/NA	Solid	6010B	18152

Analysis Batch: 18430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	6010B	18152
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	6010B	18152
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	6010B	18152
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	6010B	18152
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	6010B	18152
400-206427-6	MW25 38-39FT.	Total/NA	Solid	6010B	18152
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	6010B	18152
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	6010B	18152
400-206427-1 MS	MW24 17.5-20 FT.	Total/NA	Solid	6010B	18152
400-206427-1 MSD	MW24 17.5-20 FT.	Total/NA	Solid	6010B	18152

General Chemistry

Analysis Batch: 17008

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-1	MW24 17.5-20 FT.	Total/NA	Solid	Moisture - 2540	
400-206427-2	MW24 20.22.5 FT.	Total/NA	Solid	Moisture - 2540	
400-206427-3	MW25 9-11 FT.	Total/NA	Solid	Moisture - 2540	
400-206427-4	MW25 13-15 FT.	Total/NA	Solid	Moisture - 2540	

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QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

General Chemistry (Continued)

Analysis Batch: 17008 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-206427-5	MW25 19-21 FT.	Total/NA	Solid	Moisture - 2540	
400-206427-6	MW25 38-39FT.	Total/NA	Solid	Moisture - 2540	
400-206427-7	MW26 23-25 FT.	Total/NA	Solid	Moisture - 2540	
400-206427-8	MW26 49-51 FT.	Total/NA	Solid	Moisture - 2540	
MB 860-17008/1	Method Blank	Total/NA	Solid	Moisture - 2540	
400-206427-6 DU	MW25 38-39FT.	Total/NA	Solid	Moisture - 2540	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

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

Lab Sample ID: 400-206427-6 MS

Matrix: Solid

Analysis Batch: 17827

Client Sample ID: MW25 38-39FT.

Prep Type: Total/NA

Prep Batch: 17181

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.15		1.44	1.47		mg/Kg	☼	92	71 - 119
Toluene	0.79		1.44	2.00		mg/Kg	☼	85	74 - 122
Ethylbenzene	0.18		1.44	1.52		mg/Kg	☼	93	80 - 123
m,p-Xylenes	1.8	F1	1.44	2.95	F1	mg/Kg	☼	77	78 - 127
o-Xylene	0.39		1.44	1.67		mg/Kg	☼	89	79 - 125

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		56 - 150
4-Bromofluorobenzene (Surr)	103		68 - 152
Dibromofluoromethane (Surr)	101		53 - 142
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MB 860-17524/8

Matrix: Solid

Analysis Batch: 17524

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00021	U	0.0010	0.00021	mg/Kg			08/03/21 14:18	1
Toluene	0.0010	U	0.0050	0.0010	mg/Kg			08/03/21 14:18	1
Ethylbenzene	0.00034	U	0.0010	0.00034	mg/Kg			08/03/21 14:18	1
Xylenes, Total	0.00099	U	0.0020	0.00099	mg/Kg			08/03/21 14:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		56 - 150		08/03/21 14:18	1
4-Bromofluorobenzene (Surr)	101		68 - 152		08/03/21 14:18	1
Dibromofluoromethane (Surr)	100		53 - 142		08/03/21 14:18	1
Toluene-d8 (Surr)	96		70 - 130		08/03/21 14:18	1

Lab Sample ID: LCS 860-17524/3

Matrix: Solid

Analysis Batch: 17524

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0454		mg/Kg		91	66 - 142
Toluene	0.0500	0.0442		mg/Kg		88	74 - 130
Ethylbenzene	0.0500	0.0443		mg/Kg		89	80 - 130
m,p-Xylenes	0.0500	0.0449		mg/Kg		90	78 - 130
o-Xylene	0.0500	0.0468		mg/Kg		94	79 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		56 - 150
4-Bromofluorobenzene (Surr)	113		68 - 152
Dibromofluoromethane (Surr)	102		53 - 142
Toluene-d8 (Surr)	102		70 - 130

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

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

Lab Sample ID: LCSD 860-17524/4

Matrix: Solid

Analysis Batch: 17524

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.0444		mg/Kg		89	66 - 142	2	25
Toluene	0.0500	0.0444		mg/Kg		89	74 - 130	0	25
Ethylbenzene	0.0500	0.0446		mg/Kg		89	80 - 130	1	25
m,p-Xylenes	0.0500	0.0454		mg/Kg		91	78 - 130	1	25
o-Xylene	0.0500	0.0474		mg/Kg		95	79 - 130	1	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		56 - 150
4-Bromofluorobenzene (Surr)	115		68 - 152
Dibromofluoromethane (Surr)	104		53 - 142
Toluene-d8 (Surr)	102		70 - 130

Lab Sample ID: MB 860-17659/8

Matrix: Solid

Analysis Batch: 17659

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00021	U	0.0010	0.00021	mg/Kg			08/04/21 12:13	1
Toluene	0.0010	U	0.0050	0.0010	mg/Kg			08/04/21 12:13	1
Ethylbenzene	0.00034	U	0.0010	0.00034	mg/Kg			08/04/21 12:13	1
Xylenes, Total	0.00099	U	0.0020	0.00099	mg/Kg			08/04/21 12:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		56 - 150		08/04/21 12:13	1
4-Bromofluorobenzene (Surr)	99		68 - 152		08/04/21 12:13	1
Dibromofluoromethane (Surr)	100		53 - 142		08/04/21 12:13	1
Toluene-d8 (Surr)	101		70 - 130		08/04/21 12:13	1

Lab Sample ID: LCS 860-17659/3

Matrix: Solid

Analysis Batch: 17659

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0511		mg/Kg		102	66 - 142
Toluene	0.0500	0.0490		mg/Kg		98	74 - 130
Ethylbenzene	0.0500	0.0520		mg/Kg		104	80 - 130
m,p-Xylenes	0.0500	0.0522		mg/Kg		104	78 - 130
o-Xylene	0.0500	0.0513		mg/Kg		103	79 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		56 - 150
4-Bromofluorobenzene (Surr)	98		68 - 152
Dibromofluoromethane (Surr)	103		53 - 142
Toluene-d8 (Surr)	99		70 - 130

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

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

Lab Sample ID: LCSD 860-17659/4

Matrix: Solid

Analysis Batch: 17659

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.0544		mg/Kg		109	66 - 142	6	25
Toluene	0.0500	0.0504		mg/Kg		101	74 - 130	3	25
Ethylbenzene	0.0500	0.0543		mg/Kg		109	80 - 130	4	25
m,p-Xylenes	0.0500	0.0543		mg/Kg		109	78 - 130	4	25
o-Xylene	0.0500	0.0539		mg/Kg		108	79 - 130	5	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		56 - 150
4-Bromofluorobenzene (Surr)	99		68 - 152
Dibromofluoromethane (Surr)	99		53 - 142
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: MB 860-17827/7

Matrix: Solid

Analysis Batch: 17827

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00021	U	0.0010	0.00021	mg/Kg			08/05/21 12:31	1
Toluene	0.0010	U	0.0050	0.0010	mg/Kg			08/05/21 12:31	1
Ethylbenzene	0.00034	U	0.0010	0.00034	mg/Kg			08/05/21 12:31	1
Xylenes, Total	0.00099	U	0.0020	0.00099	mg/Kg			08/05/21 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		56 - 150		08/05/21 12:31	1
4-Bromofluorobenzene (Surr)	97		68 - 152		08/05/21 12:31	1
Dibromofluoromethane (Surr)	99		53 - 142		08/05/21 12:31	1
Toluene-d8 (Surr)	101		70 - 130		08/05/21 12:31	1

Lab Sample ID: LCS 860-17827/3

Matrix: Solid

Analysis Batch: 17827

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0469		mg/Kg		94	66 - 142
Toluene	0.0500	0.0464		mg/Kg		93	74 - 130
Ethylbenzene	0.0500	0.0475		mg/Kg		95	80 - 130
m,p-Xylenes	0.0500	0.0478		mg/Kg		96	78 - 130
o-Xylene	0.0500	0.0470		mg/Kg		94	79 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		56 - 150
4-Bromofluorobenzene (Surr)	100		68 - 152
Dibromofluoromethane (Surr)	103		53 - 142
Toluene-d8 (Surr)	100		70 - 130

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

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

Lab Sample ID: LCSD 860-17827/4

Matrix: Solid

Analysis Batch: 17827

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.0537		mg/Kg		107	66 - 142	14	25
Toluene	0.0500	0.0511		mg/Kg		102	74 - 130	10	25
Ethylbenzene	0.0500	0.0530		mg/Kg		106	80 - 130	11	25
m,p-Xylenes	0.0500	0.0533		mg/Kg		107	78 - 130	11	25
o-Xylene	0.0500	0.0520		mg/Kg		104	79 - 130	10	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		56 - 150
4-Bromofluorobenzene (Surr)	100		68 - 152
Dibromofluoromethane (Surr)	102		53 - 142
Toluene-d8 (Surr)	98		70 - 130

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: 400-206427-1 MS

Matrix: Solid

Analysis Batch: 17578

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 17453

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C4-C12	14	F1	55.4	56.3		mg/Kg	✱	76	75 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 400-206427-1 MSD

Matrix: Solid

Analysis Batch: 17578

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 17453

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C4-C12	14	F1	55.4	51.8	F1	mg/Kg	✱	68	75 - 135	8	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 860-17509/10

Matrix: Solid

Analysis Batch: 17509

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	0.050	U	0.20	0.050	mg/Kg			08/03/21 15:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130		08/03/21 15:31	1

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 860-17509/5

Matrix: Solid

Analysis Batch: 17509

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
C4-C12			1.00	0.761		mg/Kg		76	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	98		70 - 130								

Lab Sample ID: LCSD 860-17509/6

Matrix: Solid

Analysis Batch: 17509

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C4-C12			1.00	0.773		mg/Kg	-	77	70 - 130	1	30
Surrogate	LCSD		Limits								
	%Recovery	Qualifier									
4-Bromofluorobenzene (Surr)	96		70 - 130								

Lab Sample ID: MB 860-17578/10

Matrix: Solid

Analysis Batch: 17578

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	0.050	U	0.20	0.050	mg/Kg			08/04/21 02:25	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
4-Bromofluorobenzene (Surr)	106		70 - 130		08/04/21 02:25	1			

Lab Sample ID: LCS 860-17578/5

Matrix: Solid

Analysis Batch: 17578

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
C4-C12			1.00	1.02		mg/Kg		102	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								

Lab Sample ID: LCSD 860-17578/6

Matrix: Solid

Analysis Batch: 17578

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
C4-C12			1.00	0.862		mg/Kg		86	70 - 130	17	30
Surrogate	LCSD	LCSD									
	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	104		70 - 130								

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 860-16984/1-A

Matrix: Solid

Analysis Batch: 17170

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16984

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	2.4	U	6.7	2.4	mg/Kg		07/29/21 09:48	07/30/21 11:00	1
Oil Range Organics (ORO)	3.4	U	6.7	3.4	mg/Kg		07/29/21 09:48	07/30/21 11:00	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Pentacosane	90		40 - 130				07/29/21 09:48	07/30/21 11:00	1

Lab Sample ID: LCS 860-16984/2-A

Matrix: Solid

Analysis Batch: 17170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 16984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO)	33.3	30.2		mg/Kg		91	54 - 124		
Oil Range Organics (ORO)	33.3	29.7		mg/Kg		89	63 - 142		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
n-Pentacosane	101		40 - 130						

Lab Sample ID: LCSD 860-16984/3-A

Matrix: Solid

Analysis Batch: 17170

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 16984

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	33.3	29.5		mg/Kg		89	54 - 124	2	35
Oil Range Organics (ORO)	33.3	32.9		mg/Kg		99	63 - 142	10	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
n-Pentacosane	98		40 - 130						

Lab Sample ID: MB 860-17176/1-A

Matrix: Solid

Analysis Batch: 17170

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 17176

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	2.4	U	6.7	2.4	mg/Kg		07/30/21 09:41	07/31/21 07:14	1
Oil Range Organics (ORO)	3.4	U	6.7	3.4	mg/Kg		07/30/21 09:41	07/31/21 07:14	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
n-Pentacosane	90		40 - 130				07/30/21 09:41	07/31/21 07:14	1

Lab Sample ID: LCS 860-17176/2-A

Matrix: Solid

Analysis Batch: 17170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17176

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics (DRO)	33.3	29.1		mg/Kg		87	54 - 124		
Oil Range Organics (ORO)	33.3	29.8		mg/Kg		89	63 - 142		

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 860-17176/2-A

Matrix: Solid

Analysis Batch: 17170

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 17176

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
n-Pentacosane	96		40 - 130

Lab Sample ID: LCSD 860-17176/3-A

Matrix: Solid

Analysis Batch: 17170

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 17176

		Spike	LCSD	LCSD					%Rec.		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Diesel Range Organics (DRO)		33.3	29.0		mg/Kg		87	54 - 124	0	35		
Oil Range Organics (ORO)		33.3	30.5		mg/Kg		92	63 - 142	2	35		
	LCSD	LCSD										
Surrogate	%Recovery	Qualifier	Limits									
n-Pentacosane	96		40 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 860-18031/1-A

Matrix: Solid

Analysis Batch: 17957

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18031

	MB	MB										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac		
Chloride	3.5	U	10	3.5	mg/Kg		08/06/21 12:21	08/06/21 12:41		1		

Lab Sample ID: LCS 860-18031/2-A

Matrix: Solid

Analysis Batch: 17957

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18031

		Spike	LCS	LCS					%Rec.			
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Chloride		100	102		mg/Kg		102	80 - 120				

Lab Sample ID: LCSD 860-18031/3-A

Matrix: Solid

Analysis Batch: 17957

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18031

		Spike	LCSD	LCSD					%Rec.		RPD	
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Chloride		100	102		mg/Kg		102	80 - 120	0	20		

Lab Sample ID: 400-206427-1 MS

Matrix: Solid

Analysis Batch: 17957

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 18031

	Sample	Sample	Spike	MS	MS				%Rec.			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	7.0	J	112	119		mg/Kg	✱	100	80 - 120			

Lab Sample ID: 400-206427-1 MSD

Matrix: Solid

Analysis Batch: 17957

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 18031

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	7.0	J	112	117		mg/Kg	✱	98	80 - 120	1	20	

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 400-206427-2 MS

Matrix: Solid

Analysis Batch: 17957

Client Sample ID: MW24 20.22.5 FT.

Prep Type: Total/NA

Prep Batch: 18031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	12	J	128	138		mg/Kg	☆	99	80 - 120

Lab Sample ID: 400-206427-2 MSD

Matrix: Solid

Analysis Batch: 17957

Client Sample ID: MW24 20.22.5 FT.

Prep Type: Total/NA

Prep Batch: 18031

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	12	J	128	139		mg/Kg	☆	99	80 - 120	1	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 860-18152/1-A

Matrix: Solid

Analysis Batch: 18357

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18152

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.2	U	19	1.2	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Arsenic	0.41	U	0.96	0.41	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Boron	0.58	U	4.8	0.58	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Barium	0.12	U	0.96	0.12	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Cadmium	0.23	U	0.96	0.23	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Cobalt	0.29	U	0.96	0.29	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Chromium	0.068	U	0.96	0.068	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Iron	2.6	U	19	2.6	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Manganese	0.27	U	1.9	0.27	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Molybdenum	0.10	U	0.96	0.10	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Nickel	0.24	U	0.96	0.24	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Lead	0.46	U	0.96	0.46	mg/Kg		08/09/21 08:44	08/09/21 22:00	1
Selenium	0.685	J	2.9	0.48	mg/Kg		08/09/21 08:44	08/09/21 22:00	1

Lab Sample ID: LCS 860-18152/2-A

Matrix: Solid

Analysis Batch: 18357

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 18152

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	481	488		mg/Kg		101	80 - 120
Arsenic	96.2	95.7		mg/Kg		100	80 - 120
Boron	96.2	95.7		mg/Kg		99	80 - 120
Barium	96.2	94.3		mg/Kg		98	80 - 120
Cadmium	96.2	94.4		mg/Kg		98	80 - 120
Cobalt	96.2	94.8		mg/Kg		99	80 - 120
Chromium	96.2	98.8		mg/Kg		103	80 - 120
Iron	481	476		mg/Kg		99	80 - 120
Manganese	96.2	102		mg/Kg		106	80 - 120
Molybdenum	96.2	97.3		mg/Kg		101	80 - 120
Nickel	96.2	96.7		mg/Kg		101	80 - 120
Lead	96.2	97.2		mg/Kg		101	80 - 120
Selenium	96.2	95.9		mg/Kg		100	80 - 120

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-18152/3-A

Matrix: Solid

Analysis Batch: 18357

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 18152

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	472	476		mg/Kg		101	80 - 120	2	20
Arsenic	94.3	92.9		mg/Kg		99	80 - 120	3	20
Boron	94.3	93.4		mg/Kg		99	80 - 120	2	20
Barium	94.3	92.4		mg/Kg		98	80 - 120	2	20
Cadmium	94.3	92.2		mg/Kg		98	80 - 120	2	20
Cobalt	94.3	92.2		mg/Kg		98	80 - 120	3	20
Chromium	94.3	96.6		mg/Kg		102	80 - 120	2	20
Iron	472	469		mg/Kg		99	80 - 120	2	20
Manganese	94.3	99.9		mg/Kg		106	80 - 120	2	20
Molybdenum	94.3	95.0		mg/Kg		101	80 - 120	2	20
Nickel	94.3	94.8		mg/Kg		100	80 - 120	2	20
Lead	94.3	94.7		mg/Kg		100	80 - 120	3	20
Selenium	94.3	93.5		mg/Kg		99	80 - 120	2	20

Lab Sample ID: 400-206427-1 MS

Matrix: Solid

Analysis Batch: 18357

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 18152

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	3.4		100	77.9		mg/Kg	⊛	75	75 - 125
Boron	3.1	J F1	100	70.5	F1	mg/Kg	⊛	67	75 - 125
Barium	58	F1	100	107	F1	mg/Kg	⊛	50	75 - 125
Cadmium	0.25	U	100	76.0		mg/Kg	⊛	76	75 - 125
Cobalt	3.8		100	80.7		mg/Kg	⊛	77	75 - 125
Chromium	7.3		100	84.7		mg/Kg	⊛	77	75 - 125
Manganese	98	F1	100	155	F1	mg/Kg	⊛	57	75 - 125
Molybdenum	0.41	J	100	77.0		mg/Kg	⊛	77	75 - 125
Nickel	5.4		100	82.6		mg/Kg	⊛	77	75 - 125
Lead	9.9		100	84.6		mg/Kg	⊛	75	75 - 125
Selenium	0.53	U	100	75.2		mg/Kg	⊛	75	75 - 125

Lab Sample ID: 400-206427-1 MS

Matrix: Solid

Analysis Batch: 18430

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 18152

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	16000		500	10300	4	mg/Kg	⊛	-1100	75 - 125
Iron	24000		500	18100	4	mg/Kg	⊛	-1269	75 - 125

Lab Sample ID: 400-206427-1 MSD

Matrix: Solid

Analysis Batch: 18357

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 18152

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	3.4		108	85.0		mg/Kg	⊛	76	75 - 125	9	20
Boron	3.1	J F1	108	75.8	F1	mg/Kg	⊛	68	75 - 125	7	20
Barium	58	F1	108	116	F1	mg/Kg	⊛	54	75 - 125	8	20
Cadmium	0.25	U	108	81.8		mg/Kg	⊛	76	75 - 125	7	20
Cobalt	3.8		108	86.5		mg/Kg	⊛	77	75 - 125	7	20

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 400-206427-1 MSD

Matrix: Solid

Analysis Batch: 18357

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 18152

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium	7.3		108	90.4		mg/Kg	⊛	77	75 - 125	7	20
Manganese	98	F1	108	167	F1	mg/Kg	⊛	64	75 - 125	8	20
Molybdenum	0.41	J	108	83.1		mg/Kg	⊛	77	75 - 125	8	20
Nickel	5.4		108	89.4		mg/Kg	⊛	78	75 - 125	8	20
Lead	9.9		108	91.4		mg/Kg	⊛	76	75 - 125	8	20
Selenium	0.53	U	108	82.5		mg/Kg	⊛	77	75 - 125	9	20

Lab Sample ID: 400-206427-1 MSD

Matrix: Solid

Analysis Batch: 18430

Client Sample ID: MW24 17.5-20 FT.

Prep Type: Total/NA

Prep Batch: 18152

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	16000		538	11200	4	mg/Kg	⊛	-850	75 - 125	9	20
Iron	24000		538	19700	4	mg/Kg	⊛	-883	75 - 125	8	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 860-16880/10-A

Matrix: Solid

Analysis Batch: 17069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16880

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00500	J	0.020	0.0038	mg/Kg		07/29/21 09:11	07/29/21 13:36	1

Lab Sample ID: LCS 860-16880/36-A

Matrix: Solid

Analysis Batch: 17069

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 16880

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.196	0.185		mg/Kg		94	80 - 120		

Lab Sample ID: LCSD 860-16880/11-A

Matrix: Solid

Analysis Batch: 17069

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 16880

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.192	0.182		mg/Kg		95	80 - 120	2	20

Lab Sample ID: MB 860-16882/10-A

Matrix: Solid

Analysis Batch: 17069

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16882

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0037	U	0.019	0.0037	mg/Kg		07/29/21 10:30	07/29/21 12:43	1

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 860-16882/11-A
Matrix: Solid
Analysis Batch: 17069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16882

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.185	0.166		mg/Kg		90	80 - 120

Lab Sample ID: LCSD 860-16882/12-A
Matrix: Solid
Analysis Batch: 17069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16882

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.182	0.163		mg/Kg		90	80 - 120	2	20

Lab Sample ID: 400-206427-7 MS
Matrix: Solid
Analysis Batch: 17069

Client Sample ID: MW26 23-25 FT.
Prep Type: Total/NA
Prep Batch: 16882

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.062	F2	0.210	0.245		mg/Kg	☼	87	75 - 125

Lab Sample ID: 400-206427-7 MSD
Matrix: Solid
Analysis Batch: 17069

Client Sample ID: MW26 23-25 FT.
Prep Type: Total/NA
Prep Batch: 16882

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.062	F2	0.210	0.312	F2	mg/Kg	☼	119	75 - 125	24	20

Method: Moisture - 2540 - Percent Moisture

Lab Sample ID: MB 860-17008/1
Matrix: Solid
Analysis Batch: 17008

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	-0.027				%			07/29/21 07:01	1
Percent Solids	100				%			07/29/21 07:01	1

Lab Sample ID: 400-206427-6 DU
Matrix: Solid
Analysis Batch: 17008

Client Sample ID: MW25 38-39FT.
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	13		15	F3	%		11	10
Percent Solids	87		86		%		2	10

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW24 17.5-20 FT.

Lab Sample ID: 400-206427-1

Date Collected: 07/22/21 12:20

Matrix: Solid

Date Received: 07/27/21 10:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: MW24 17.5-20 FT.

Lab Sample ID: 400-206427-1

Date Collected: 07/22/21 12:20

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.99 g	5 mL	17676	08/04/21 10:14	CSP	XEN STF
Total/NA	Analysis	8260C		1	5 mL	5 mL	17659	08/04/21 14:36	CSP	XEN STF
Total/NA	Prep	5030C			5.05 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17578	08/04/21 02:56	AN	XEN STF
Total/NA	Prep	3550C			30.02 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/30/21 18:06	IS	XEN STF
Total/NA	Prep	300_Prep			5.01 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 15:17	JM	XEN STF
Total/NA	Prep	3051A			.53 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:11	DP	XEN STF
Total/NA	Prep	3051A			.53 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 11:59	DP	XEN STF
Total/NA	Prep	7471A			.55 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 14:19	AV	XEN STF

Client Sample ID: MW24 20.22.5 FT.

Lab Sample ID: 400-206427-2

Date Collected: 07/22/21 12:35

Matrix: Solid

Date Received: 07/27/21 10:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: MW24 20.22.5 FT.

Lab Sample ID: 400-206427-2

Date Collected: 07/22/21 12:35

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.98 g	5 mL	17427	08/02/21 16:15	CSP	XEN STF
Total/NA	Analysis	8260C		1	5 mL	5 mL	17524	08/03/21 20:16	KLV	XEN STF
Total/NA	Prep	5030C			5.00 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17509	08/03/21 18:38	AN	XEN STF
Total/NA	Prep	3550C			30.04 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/30/21 18:28	IS	XEN STF
Total/NA	Prep	300_Prep			4.99 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 15:44	JM	XEN STF
Total/NA	Prep	3051A			.55 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:37	DP	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW24 20.22.5 FT.

Lab Sample ID: 400-206427-2

Date Collected: 07/22/21 12:35

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			.55 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 12:10	DP	XEN STF
Total/NA	Prep	7471A			.52 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 14:21	AV	XEN STF

Client Sample ID: MW25 9-11 FT.

Lab Sample ID: 400-206427-3

Date Collected: 07/22/21 16:20

Matrix: Solid

Date Received: 07/27/21 10:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: MW25 9-11 FT.

Lab Sample ID: 400-206427-3

Date Collected: 07/22/21 16:20

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.98 g	5 mL	17427	08/02/21 16:15	CSP	XEN STF
Total/NA	Analysis	8260C		1	5 mL	5 mL	17524	08/03/21 20:36	KLV	XEN STF
Total/NA	Prep	5030C			5.02 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17509	08/03/21 19:09	AN	XEN STF
Total/NA	Prep	3550C			30.05 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/30/21 18:50	IS	XEN STF
Total/NA	Prep	300_Prep			4.93 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 16:28	JM	XEN STF
Total/NA	Prep	3051A			.51 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:40	DP	XEN STF
Total/NA	Prep	3051A			.51 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		10			18430	08/10/21 12:14	DP	XEN STF
Total/NA	Prep	7471A			.54 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 14:22	AV	XEN STF

Client Sample ID: MW25 13-15 FT.

Lab Sample ID: 400-206427-4

Date Collected: 07/22/21 16:25

Matrix: Solid

Date Received: 07/27/21 10:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: MW25 13-15 FT.

Lab Sample ID: 400-206427-4

Date Collected: 07/22/21 16:25

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.03 g	5 mL	17427	08/02/21 16:15	CSP	XEN STF
Total/NA	Analysis	8260C		1	5 mL	5 mL	17524	08/03/21 20:56	KLV	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 13-15 FT.

Lab Sample ID: 400-206427-4

Date Collected: 07/22/21 16:25

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.03 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17509	08/03/21 19:40	AN	XEN STF
Total/NA	Prep	3550C			30.00 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/30/21 19:12	IS	XEN STF
Total/NA	Prep	300_Prep			4.96 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 16:37	JM	XEN STF
Total/NA	Prep	3051A			.54 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:44	DP	XEN STF
Total/NA	Prep	3051A			.54 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 12:17	DP	XEN STF
Total/NA	Prep	7471A			.50 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 14:23	AV	XEN STF

Client Sample ID: MW25 19-21 FT.

Lab Sample ID: 400-206427-5

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/27/21 10:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: MW25 19-21 FT.

Lab Sample ID: 400-206427-5

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.97 g	5 mL	17427	08/02/21 16:15	CSP	XEN STF
Total/NA	Analysis	8260C		1	5 mL	5 mL	17524	08/03/21 21:16	KLV	XEN STF
Total/NA	Prep	5030C			5.00 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17578	08/04/21 03:26	AN	XEN STF
Total/NA	Prep	3550C			30.01 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17006	07/29/21 23:45	IS	XEN STF
Total/NA	Prep	300_Prep			5.04 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 16:46	JM	XEN STF
Total/NA	Prep	3051A			.6 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:47	DP	XEN STF
Total/NA	Prep	3051A			.6 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 12:21	DP	XEN STF
Total/NA	Prep	7471A			.55 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 14:25	AV	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW25 38-39FT.

Lab Sample ID: 400-206427-6

Date Collected: 07/22/21 17:30

Matrix: Solid

Date Received: 07/27/21 10:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: MW25 38-39FT.

Lab Sample ID: 400-206427-6

Date Collected: 07/22/21 17:30

Matrix: Solid

Date Received: 07/27/21 10:52

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	5030C			5.00 g	5 mL	17181	07/30/21 10:10	CSP	XEN STF
Total/NA	Analysis	8260C		25	5 mL	5 mL	17827	08/05/21 15:37	CSP	XEN STF
Total/NA	Prep	5030C			5.02 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17578	08/04/21 03:57	AN	XEN STF
Total/NA	Prep	3550C			30.05 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17006	07/30/21 00:07	IS	XEN STF
Total/NA	Prep	300_Prep			5.00 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 16:55	JM	XEN STF
Total/NA	Prep	3051A			.52 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:51	DP	XEN STF
Total/NA	Prep	3051A			.52 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 12:25	DP	XEN STF
Total/NA	Prep	7471A			.50 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 14:26	AV	XEN STF

Client Sample ID: MW26 23-25 FT.

Lab Sample ID: 400-206427-7

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/27/21 10:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: MW26 23-25 FT.

Lab Sample ID: 400-206427-7

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.01 g	5 mL	16922	07/28/21 18:25	AW	XEN STF
Total/NA	Analysis	8260C		1	5 mL	5 mL	17659	08/04/21 15:17	CSP	XEN STF
Total/NA	Prep	5030C			5.03 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17578	08/04/21 04:28	AN	XEN STF
Total/NA	Prep	3550C			30.04 g	1.0 mL	17176	07/30/21 09:41	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/31/21 07:36	IS	XEN STF
Total/NA	Prep	300_Prep			4.98 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 17:04	JM	XEN STF
Total/NA	Prep	3051A			.55 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:55	DP	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW26 23-25 FT.

Lab Sample ID: 400-206427-7

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			.55 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 12:28	DP	XEN STF
Total/NA	Prep	7471A			.51 g	50 mL	16882	07/29/21 10:30	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 13:12	AV	XEN STF

Client Sample ID: MW26 49-51 FT.

Lab Sample ID: 400-206427-8

Date Collected: 07/23/21 10:25

Matrix: Solid

Date Received: 07/27/21 10:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: MW26 49-51 FT.

Lab Sample ID: 400-206427-8

Date Collected: 07/23/21 10:25

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			4.98 g	5 mL	17518	08/03/21 10:36	CSP	XEN STF
Total/NA	Analysis	8260C		1	5 mL	5 mL	17659	08/04/21 15:37	CSP	XEN STF
Total/NA	Prep	5030C	DL		5.03 g	5 mL	16922	07/28/21 18:25	AW	XEN STF
Total/NA	Analysis	8260C	DL	100	5 mL	5 mL	17827	08/05/21 18:20	CSP	XEN STF
Total/NA	Prep	5030C			5.05 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17578	08/04/21 04:59	AN	XEN STF
Total/NA	Prep	3550C			30.05 g	1.0 mL	17176	07/30/21 09:41	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/31/21 07:58	IS	XEN STF
Total/NA	Prep	300_Prep			4.97 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 17:13	JM	XEN STF
Total/NA	Prep	3051A			.59 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:58	DP	XEN STF
Total/NA	Prep	3051A			.59 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 12:32	DP	XEN STF
Total/NA	Prep	7471A			.55 g	50 mL	16882	07/29/21 10:30	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 13:18	AV	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-16880/10-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	7471A			.50 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 13:36	AV	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: Method Blank

Lab Sample ID: MB 860-16882/10-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	7471A			.52 g	50 mL	16882	07/29/21 10:30	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 12:43	AV	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-16984/1-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	3550C			30.00 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/30/21 11:00	IS	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-17008/1

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	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-17176/1-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	3550C			30.00 g	1.0 mL	17176	07/30/21 09:41	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/31/21 07:14	IS	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-17509/10

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	Analysis	8015D		1	5 mL	5 mL	17509	08/03/21 15:31	AN	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-17524/8

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	Analysis	8260C		1	5 mL	5 mL	17524	08/03/21 14:18	KLK	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-17578/10

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	Analysis	8015D		1	5 mL	5 mL	17578	08/04/21 02:25	AN	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: Method Blank

Lab Sample ID: MB 860-17659/8

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	Analysis	8260C		1	5 mL	5 mL	17659	08/04/21 12:13	CSP	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-17827/7

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	Analysis	8260C		1	5 mL	5 mL	17827	08/05/21 12:31	CSP	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-18031/1-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	300_Prep			5 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 12:41	JM	XEN STF

Client Sample ID: Method Blank

Lab Sample ID: MB 860-18152/1-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	3051A			.52 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:00	DP	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-16880/36-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	7471A			.51 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 13:38	AV	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-16882/11-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	7471A			.54 g	50 mL	16882	07/29/21 10:30	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 12:44	AV	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-16984/2-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	3550C			30.00 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/30/21 11:22	IS	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-17176/2-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	3550C			30.00 g	1.0 mL	17176	07/30/21 09:41	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/31/21 06:31	IS	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-17509/5

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	Analysis	8015D		1	5 mL	5 mL	17509	08/03/21 12:56	AN	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-17524/3

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	Analysis	8260C		1	5 mL	5 mL	17524	08/03/21 11:58	KLV	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-17578/5

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	Analysis	8015D		1	5 mL	5 mL	17578	08/03/21 23:49	AN	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-17659/3

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	Analysis	8260C		1	5 mL	5 mL	17659	08/04/21 10:22	CSP	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-17827/3

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	Analysis	8260C		1	5 mL	5 mL	17827	08/05/21 10:59	CSP	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-18031/2-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	300_Prep			5 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 12:50	JM	XEN STF

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 860-18152/2-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	3051A			.52 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:04	DP	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-16880/11-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	7471A			.52 g	50 mL	16880	07/29/21 09:11	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 13:39	AV	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-16882/12-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	7471A			.55 g	50 mL	16882	07/29/21 10:30	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 12:46	AV	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-16984/3-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
Total/NA	Prep	3550C			30.00 g	1.0 mL	16984	07/29/21 09:48	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/30/21 11:44	IS	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-17176/3-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
Total/NA	Prep	3550C			30.00 g	1.0 mL	17176	07/30/21 09:41	BH	XEN STF
Total/NA	Analysis	8015D		1			17170	07/31/21 06:53	IS	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-17509/6

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	Analysis	8015D		1	5 mL	5 mL	17509	08/03/21 13:27	AN	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-17524/4

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	Analysis	8260C		1	5 mL	5 mL	17524	08/03/21 12:18	KLK	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-17578/6

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	Analysis	8015D		1	5 mL	5 mL	17578	08/04/21 00:20	AN	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-17659/4

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	Analysis	8260C		1	5 mL	5 mL	17659	08/04/21 10:42	CSP	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-17827/4

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	Analysis	8260C		1	5 mL	5 mL	17827	08/05/21 11:20	CSP	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-18031/3-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
Total/NA	Prep	300_Prep			5 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 12:58	JM	XEN STF

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 860-18152/3-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
Total/NA	Prep	3051A			.53 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:08	DP	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW24 17.5-20 FT.

Lab Sample ID: 400-206427-1 MS

Date Collected: 07/22/21 12:20

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.05 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17578	08/04/21 00:52	AN	XEN STF
Total/NA	Prep	300_Prep			5.00 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 15:26	JM	XEN STF
Total/NA	Prep	3051A			.56 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:15	DP	XEN STF
Total/NA	Prep	3051A			.56 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 12:03	DP	XEN STF

Client Sample ID: MW24 17.5-20 FT.

Lab Sample ID: 400-206427-1 MSD

Date Collected: 07/22/21 12:20

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030C			5.05 g	5 mL	17453	08/02/21 17:53	AW	XEN STF
Total/NA	Analysis	8015D		50	5 mL	5 mL	17578	08/04/21 01:23	AN	XEN STF
Total/NA	Prep	300_Prep			4.98 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 15:35	JM	XEN STF
Total/NA	Prep	3051A			.52 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		1			18357	08/09/21 22:18	DP	XEN STF
Total/NA	Prep	3051A			.52 g	50 mL	18152	08/09/21 08:44	PB	XEN STF
Total/NA	Analysis	6010B		50			18430	08/10/21 12:06	DP	XEN STF

Client Sample ID: MW24 20.22.5 FT.

Lab Sample ID: 400-206427-2 MS

Date Collected: 07/22/21 12:35

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			5.01 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 15:53	JM	XEN STF

Client Sample ID: MW24 20.22.5 FT.

Lab Sample ID: 400-206427-2 MSD

Date Collected: 07/22/21 12:35

Matrix: Solid

Date Received: 07/27/21 10:52

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	300_Prep			5.00 g	50 mL	18031	08/06/21 12:21	JM	XEN STF
Total/NA	Analysis	300.0		1			17957	08/06/21 16:19	JM	XEN STF

Client Sample ID: MW25 38-39FT.

Lab Sample ID: 400-206427-6 MS

Date Collected: 07/22/21 17:30

Matrix: Solid

Date Received: 07/27/21 10:52

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	5030C			5.00 g	5 mL	17181	07/30/21 10:10	CSP	XEN STF
Total/NA	Analysis	8260C		25	5 mL	5 mL	17827	08/05/21 11:50	CSP	XEN STF

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Client Sample ID: MW26 23-25 FT.**Date Collected: 07/23/21 09:30****Date Received: 07/27/21 10:52****Lab Sample ID: 400-206427-7 MS****Matrix: Solid****Percent Solids: 86.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.55 g	50 mL	16882	07/29/21 10:30	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 13:13	AV	XEN STF

Client Sample ID: MW26 23-25 FT.**Date Collected: 07/23/21 09:30****Date Received: 07/27/21 10:52****Lab Sample ID: 400-206427-7 MSD****Matrix: Solid****Percent Solids: 86.6**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471A			.55 g	50 mL	16882	07/29/21 10:30	AH	XEN STF
Total/NA	Analysis	7471A		1			17069	07/29/21 13:14	AV	XEN STF

Client Sample ID: MW25 38-39FT.**Date Collected: 07/22/21 17:30****Date Received: 07/27/21 10:52****Lab Sample ID: 400-206427-6 DU****Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture - 2540		1			17008	07/29/21 07:01	LER	XEN STF

Laboratory References:

XEN STF = Eurofins Xenco, Stafford, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	XEN STF
8015D	Gasoline Range Organics (GRO) (GC)	SW846	XEN STF
8015D	Diesel Range Organics (DRO) (GC)	SW846	XEN STF
300.0	Anions, Ion Chromatography	MCAWW	XEN STF
6010B	Metals (ICP)	SW846	XEN STF
7471A	Mercury (CVAA)	SW846	XEN STF
Moisture - 2540	Percent Moisture	SM	XEN STF
300_Prep	Anions, Ion Chromatography, 10% Wt/Vol	MCAWW	XEN STF
3051A	Preparation, Metals, Microwave Assisted	SW846	XEN STF
3550C	Ultrasonic Extraction	SW846	XEN STF
5030C	Purge and Trap	SW846	XEN STF
7471A	Preparation, Mercury	SW846	XEN STF

Protocol References:

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

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

XEN STF = Eurofins Xenco, Stafford, 4147 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-206427-1

Laboratory: Eurofins Xenco, Stafford

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

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E871002	06-30-22
Louisiana	NELAP	03054	06-30-22
Oklahoma	State	1306	08-31-21
Texas	NELAP	T104704215-21-44	06-30-22
USDA	US Federal Programs	P330-19-00137	04-24-22

Eurofins TestAmerica, Pensacola

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

Chain of Custody Record



Eurofins

Environmental Testing
America

Client Information Client Contact: Steve Varsa Company: Stantec Consulting Services Inc Address: 11311 Aurora Avenue City: Des Moines State Zip: IA, 50322-7904 Phone: Email: steve.varsa@stantec.com Project Name: CMF KM San Juan River Plant Site: SOW#: 		Lab PM: Edwards, Marty P E-Mail: Marty.Edwards@Eurofinset.com PWSID: 		Carrier Tracking No(s): 400-206427 COC State of Origin: 		COC No: 400-103826-36960.1 Page: Page 1 of 1 Job #: 	
Due Date Requested: TAT Requested (days): Compliance Project: A Yes A No PO #: See Project Notes WO #: Project #: 40012762 SOW#: 				Analysis Requested 			
Sample Identification 				Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: 			
Sample ID: MW24 17.5-20 ft. MW24 20-22.5 ft. MW25 9-11 ft. MW25 13-15 ft. MW25 19-21 ft. MW25 38-39 ft. MW26 23-25 ft. MW26 49-51 ft.				Sample Date: 7/22/21 1220 7/22/21 1235 7/22/21 1620 7/22/21 1625 7/22/21 1640 7/22/21 1730 7/23/21 0930 7/23/21 1025			
Sample Type (C=Comp, G=Grab) Grab Grab Grab Grab Grab Grab Grab				Matrix (Micro, Swab, Swab, Swab, Swab, Swab, Swab, Swab) Solid Solid Solid Solid Solid Solid Solid Solid			
Preservation Code: 				Total Number of Containers: 			
Special Instructions/Note: 				Special Instructions/Note: 			
Possible Hazard Identification ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) 				Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☒ Disposal By Lab ☐ Archive For 			
Empty Kit Relinquished by: 				Special Instructions/OC Requirements: 			
Relinquished by: Rob Malcomson Relinquished by: Relinquished by: 				Date: 7/26/21 Date/Time: 7/26/21 Date/Time: 7/26/21 Date/Time: 7/26/21			
Custody Seals Intact: A Yes A No				Cooler Temperature(s) °C and Other Remarks: 			

Ver: 11.0.1.2020

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carboxins

ಪ್ರದರ್ಶನದ ಸಂದರ್ಭದಲ್ಲಿ

Ver. 11/01/2020

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-206427-1

Login Number: 206427**List Source: Eurofins TestAmerica, Pensacola****List Number: 1****Creator: Perez, Trina M**

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

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-206427-1

Login Number: 206427

List Number: 2

Creator: Rubio, Yuri

List Source: Eurofins Xenco, Stafford

List Creation: 07/28/21 09:50 AM

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	

APPENDIX G LABORATORY ANALYTICAL DATA GROUNDWATER





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 400-210919-1
Client Project/Site: San Juan River Plant

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

Attn: Steve Varsa

Authorized for release by:
11/30/2021 6:49:29 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
Cheyenne.Whitmire@Eurofinset.com

LINKS

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

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

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

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Laboratory Job ID: 400-210919-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Job ID: 400-210919-1

Laboratory: Eurofins TestAmerica, Pensacola

Narrative

Job Narrative 400-210919-1

Comments

No additional comments.

Receipt

The samples were received on 11/10/2021 9:13 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.0° C, 3.3° C and 3.3° C.

Receipt Exceptions

The following samples were received outside of holding time: W-2 (400-210919-4), MW-4 (400-210919-5) and MW-6 (400-210919-6).

GC/MS VOA

Method 8260B: The matrix spike (MS) recoveries for analytical batch 400-555578 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260B: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-8 (400-210919-7), MW-13 (400-210919-10), MW-15 (400-210919-12), MW-16 (400-210919-13), MW-16 (400-210919-13[MS]), MW-16 (400-210919-13[MSD]) and MW-22 (400-210919-16).

Method 8260B: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-13 (400-210919-10), MW-15 (400-210919-12) and MW-16 (400-210919-13). 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.

HPLC/IC

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: DUP-01 (400-210919-2), DUP-02 (400-210919-3), W-2 (400-210919-4), MW-4 (400-210919-5), MW-6 (400-210919-6), MW-8 (400-210919-7), MW-9 (400-210919-8), MW-11 (400-210919-9), MW-13 (400-210919-10), MW-14 (400-210919-11), MW-15 (400-210919-12), MW-16 (400-210919-13), MW-18 (400-210919-14), MW-19 (400-210919-15), MW-22 (400-210919-16), MW-24 (400-210919-17), MW-25 (400-210919-18) and MW-26 (400-210919-19). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-555317 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300.0: The following samples were received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-18 (400-210919-14), MW-19 (400-210919-15), MW-22 (400-210919-16), MW-24 (400-210919-17), MW-25 (400-210919-18), MW-26 (400-210919-19) and MW-19 (400-210919-15[MSD]).

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

Metals

Method 6010B: The continuing calibration verification (CCV) associated with batch 400-555836 recovered above the upper control limit for Copper. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 6010B: The following sample was diluted because the initial analysis produced a significant negative result - the absolute value exceeded the reporting limit (RL): MW-8 (400-210919-7). Reporting limits (RLs) are elevated as a result.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-555560 and analytical batch 400-556211 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Job ID: 400-210919-1 (Continued)

Laboratory: Eurofins TestAmerica, Pensacola (Continued)

Method 6010B: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 400-555560 and analytical batch 400-556211 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

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

Field Service / Mobile Lab

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

General Chemistry

Method SM 2540C: The sample duplicate (DUP) precision for analytical batch 400-555914 was outside control limits. Sample non-homogeneity is suspected.

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

VOA Prep

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: TB-01

Lab Sample ID: 400-210919-1

No Detections.

Client Sample ID: DUP-01

Lab Sample ID: 400-210919-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.038		0.0010	0.00013	mg/L	1		8260B	Total/NA
Ethylbenzene	0.017		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0027	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	350		10	1.2	mg/L	10		300.0	Total/NA
Sulfate - DL	11000		500	190	mg/L	500		300.0	Total/NA
Aluminum	9.5		0.20	0.051	mg/L	1		6010B	Dissolved
Barium	0.011		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.77		0.10	0.022	mg/L	1		6010B	Dissolved
Cadmium	0.0048	J	0.0050	0.0020	mg/L	1		6010B	Dissolved
Cobalt	0.24		0.010	0.0030	mg/L	1		6010B	Dissolved
Copper	0.047		0.020	0.017	mg/L	1		6010B	Dissolved
Iron	13		0.20	0.075	mg/L	1		6010B	Dissolved
Lead	0.011		0.010	0.0020	mg/L	1		6010B	Dissolved
Manganese	7.3		0.010	0.0030	mg/L	1		6010B	Dissolved
Nickel	0.36		0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.021		0.020	0.0080	mg/L	1		6010B	Dissolved
Zinc	0.96	B	0.020	0.0080	mg/L	1		6010B	Dissolved
Total Dissolved Solids	16000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 400-210919-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.13		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0037		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.029		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0071	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	780		200	24	mg/L	200		300.0	Total/NA
Nitrate as N	1.7		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.4		0.10	0.063	mg/L	1		300.0	Total/NA
Sulfate	8000		200	74	mg/L	200		300.0	Total/NA
Nitrite as N	1.7		0.10	0.083	mg/L	1		300.0	Total/NA
Arsenic	0.0069	J B	0.010	0.0030	mg/L	1		6010B	Dissolved
Barium	0.027		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.85		0.10	0.022	mg/L	1		6010B	Dissolved
Manganese	0.36		0.010	0.0030	mg/L	1		6010B	Dissolved
Molybdenum	0.074	J	0.10	0.0040	mg/L	1		6010B	Dissolved
Nickel	0.0045	J	0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.035		0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	1000		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	13000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: W-2

Lab Sample ID: 400-210919-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00052	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	190		100	12	mg/L	100		300.0	Total/NA
Sulfate	2800		100	37	mg/L	100		300.0	Total/NA
Barium	0.0094	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.66		0.10	0.022	mg/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: W-2 (Continued)

Lab Sample ID: 400-210919-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	0.0074	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.067		0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	230		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	4900		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 400-210919-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0014		0.0010	0.00041	mg/L	1		8260B	Total/NA
Chloride	320		100	12	mg/L	100		300.0	Total/NA
Sulfate	2500		100	37	mg/L	100		300.0	Total/NA
Barium	0.0079	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.85		0.10	0.022	mg/L	1		6010B	Dissolved
Cobalt	0.049		0.010	0.0030	mg/L	1		6010B	Dissolved
Iron	9.2		0.20	0.075	mg/L	1		6010B	Dissolved
Manganese	6.4		0.010	0.0030	mg/L	1		6010B	Dissolved
Nickel	0.20		0.0060	0.0030	mg/L	1		6010B	Dissolved
Alkalinity, Total	830		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	4700		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 400-210919-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	680		20	2.4	mg/L	20		300.0	Total/NA
Sulfate - DL	9100		500	190	mg/L	500		300.0	Total/NA
Aluminum	15		0.20	0.051	mg/L	1		6010B	Dissolved
Barium	0.0065	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.84		0.10	0.022	mg/L	1		6010B	Dissolved
Cadmium	0.0099		0.0050	0.0020	mg/L	1		6010B	Dissolved
Cobalt	0.23		0.010	0.0030	mg/L	1		6010B	Dissolved
Copper	0.049		0.020	0.017	mg/L	1		6010B	Dissolved
Iron	0.083	J	0.20	0.075	mg/L	1		6010B	Dissolved
Lead	0.0027	J	0.010	0.0020	mg/L	1		6010B	Dissolved
Manganese	7.0		0.010	0.0030	mg/L	1		6010B	Dissolved
Nickel	0.29		0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.30		0.020	0.0080	mg/L	1		6010B	Dissolved
Zinc	0.61	B	0.020	0.0080	mg/L	1		6010B	Dissolved
Total Dissolved Solids	14000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-8

Lab Sample ID: 400-210919-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	650		200	24	mg/L	200		300.0	Total/NA
Nitrate as N	0.072	J	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.072	J	0.10	0.063	mg/L	1		300.0	Total/NA
Sulfate	4800		200	74	mg/L	200		300.0	Total/NA
Aluminum	0.32		0.20	0.051	mg/L	1		6010B	Dissolved
Barium	0.016		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.39		0.10	0.022	mg/L	1		6010B	Dissolved
Cobalt	0.0037	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Iron	0.26		0.20	0.075	mg/L	1		6010B	Dissolved
Manganese	0.55		0.010	0.0030	mg/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-8 (Continued)

Lab Sample ID: 400-210919-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Molybdenum	0.042	J	0.10	0.0040	mg/L	1		6010B	Dissolved
Selenium	0.049		0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	3700		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	13000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-9

Lab Sample ID: 400-210919-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.042		0.0010	0.00013	mg/L	1		8260B	Total/NA
Ethylbenzene	0.022		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0034	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	350		10	1.2	mg/L	10		300.0	Total/NA
Sulfate - DL	11000		500	190	mg/L	500		300.0	Total/NA
Aluminum	9.4		0.20	0.051	mg/L	1		6010B	Dissolved
Barium	0.0093	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.77		0.10	0.022	mg/L	1		6010B	Dissolved
Cadmium	0.0042	J	0.0050	0.0020	mg/L	1		6010B	Dissolved
Cobalt	0.24		0.010	0.0030	mg/L	1		6010B	Dissolved
Copper	0.044		0.020	0.017	mg/L	1		6010B	Dissolved
Iron	13		0.20	0.075	mg/L	1		6010B	Dissolved
Manganese	7.2		0.010	0.0030	mg/L	1		6010B	Dissolved
Nickel	0.35		0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.013	J	0.020	0.0080	mg/L	1		6010B	Dissolved
Zinc	0.95	B	0.020	0.0080	mg/L	1		6010B	Dissolved
Total Dissolved Solids	36000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 400-210919-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	210		100	12	mg/L	100		300.0	Total/NA
Nitrate as N	0.063	J	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.063	J	0.10	0.063	mg/L	1		300.0	Total/NA
Sulfate	4200		100	37	mg/L	100		300.0	Total/NA
Barium	0.013		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.47		0.10	0.022	mg/L	1		6010B	Dissolved
Cobalt	0.0033	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Iron	1.1		0.20	0.075	mg/L	1		6010B	Dissolved
Manganese	2.6		0.010	0.0030	mg/L	1		6010B	Dissolved
Nickel	0.015		0.0060	0.0030	mg/L	1		6010B	Dissolved
Alkalinity, Total	710		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	2100		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-13

Lab Sample ID: 400-210919-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.1		0.010	0.0013	mg/L	10		8260B	Total/NA
Ethylbenzene	0.054		0.010	0.0050	mg/L	10		8260B	Total/NA
Chloride	530		200	24	mg/L	200		300.0	Total/NA
Sulfate	5200		200	74	mg/L	200		300.0	Total/NA
Barium	0.0064	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.32		0.10	0.022	mg/L	1		6010B	Dissolved
Iron	3.0		0.20	0.075	mg/L	1		6010B	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-13 (Continued)

Lab Sample ID: 400-210919-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	2.6		0.010	0.0030	mg/L	1		6010B	Dissolved
Alkalinity, Total	1600		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	13000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 400-210919-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	240		10	1.2	mg/L	10		300.0	Total/NA
Nitrate as N	0.18		0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.18		0.10	0.063	mg/L	1		300.0	Total/NA
Sulfate - DL	7900		500	190	mg/L	500		300.0	Total/NA
Barium	0.027		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.80		0.10	0.022	mg/L	1		6010B	Dissolved
Iron	0.42		0.20	0.075	mg/L	1		6010B	Dissolved
Manganese	10		0.010	0.0030	mg/L	1		6010B	Dissolved
Nickel	0.021		0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.011	J	0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	560		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	13000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 400-210919-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.46		0.0050	0.00065	mg/L	5		8260B	Total/NA
Ethylbenzene	0.026		0.0050	0.0025	mg/L	5		8260B	Total/NA
Xylenes, Total	0.021	J	0.050	0.0080	mg/L	5		8260B	Total/NA
Chloride	2400		500	60	mg/L	500		300.0	Total/NA
Sulfate	11000		500	190	mg/L	500		300.0	Total/NA
Barium	0.0088	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.83		0.10	0.022	mg/L	1		6010B	Dissolved
Iron	6.5		0.20	0.075	mg/L	1		6010B	Dissolved
Lead	0.0037	J	0.010	0.0020	mg/L	1		6010B	Dissolved
Manganese	4.4		0.010	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.015	J	0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	1600		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	21000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16

Lab Sample ID: 400-210919-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.56		0.010	0.0013	mg/L	10		8260B	Total/NA
Toluene	0.0047	J	0.010	0.0041	mg/L	10		8260B	Total/NA
Ethylbenzene	0.32		0.010	0.0050	mg/L	10		8260B	Total/NA
Xylenes, Total	1.4	F1	0.10	0.016	mg/L	10		8260B	Total/NA
Chloride	1500		500	60	mg/L	500		300.0	Total/NA
Sulfate	14000		500	190	mg/L	500		300.0	Total/NA
Barium	0.0047	J F1	0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.83		0.10	0.022	mg/L	1		6010B	Dissolved
Manganese	0.042		0.010	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.023	F1	0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	2800		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	28000		500	500	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-18

Lab Sample ID: 400-210919-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00024	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Chloride	490		20	2.4	mg/L	20		300.0	Total/NA
Sulfate - DL	14000		500	190	mg/L	500		300.0	Total/NA
Aluminum	0.47		0.20	0.051	mg/L	1		6010B	Dissolved
Barium	0.011		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	1.0		0.10	0.022	mg/L	1		6010B	Dissolved
Cobalt	0.13		0.010	0.0030	mg/L	1		6010B	Dissolved
Iron	8.7		0.20	0.075	mg/L	1		6010B	Dissolved
Manganese	12		0.010	0.0030	mg/L	1		6010B	Dissolved
Nickel	0.28		0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.011	J	0.020	0.0080	mg/L	1		6010B	Dissolved
Zinc	0.13	B	0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	110		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	21000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-19

Lab Sample ID: 400-210919-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	180		10	1.2	mg/L	10		300.0	Total/NA
Nitrate as N	4.9	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	4.9	H	0.10	0.063	mg/L	1		300.0	Total/NA
Sulfate - DL	9100		500	190	mg/L	500		300.0	Total/NA
Barium	0.0073	J F1	0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.88		0.10	0.022	mg/L	1		6010B	Dissolved
Cadmium	0.010		0.0050	0.0020	mg/L	1		6010B	Dissolved
Cobalt	0.065		0.010	0.0030	mg/L	1		6010B	Dissolved
Manganese	10		0.010	0.0030	mg/L	1		6010B	Dissolved
Nickel	0.19		0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.029	F1	0.020	0.0080	mg/L	1		6010B	Dissolved
Zinc	0.13	B	0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	180		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	15000		130	130	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-22

Lab Sample ID: 400-210919-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00074	J	0.0010	0.00013	mg/L	1		8260B	Total/NA
Ethylbenzene	0.0044		0.0010	0.00050	mg/L	1		8260B	Total/NA
Chloride	640		200	24	mg/L	200		300.0	Total/NA
Nitrate as N	0.10	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	0.10	H	0.10	0.063	mg/L	1		300.0	Total/NA
Sulfate	8000		200	74	mg/L	200		300.0	Total/NA
Barium	0.025		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.58		0.10	0.022	mg/L	1		6010B	Dissolved
Cobalt	0.0033	J	0.010	0.0030	mg/L	1		6010B	Dissolved
Iron	3.0		0.20	0.075	mg/L	1		6010B	Dissolved
Manganese	0.55		0.010	0.0030	mg/L	1		6010B	Dissolved
Molybdenum	0.023	J	0.10	0.0040	mg/L	1		6010B	Dissolved
Nickel	0.0040	J	0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.010	J	0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	1600		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	13000		250	250	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-24

Lab Sample ID: 400-210919-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	260		10	1.2	mg/L	10		300.0	Total/NA
Nitrate as N	1.3	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	2.5	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrite as N	1.2	H	0.10	0.083	mg/L	1		300.0	Total/NA
Sulfate - DL	11000		500	190	mg/L	500		300.0	Total/NA
Aluminum	0.14	J	0.20	0.051	mg/L	1		6010B	Dissolved
Barium	0.021		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	1.0		0.10	0.022	mg/L	1		6010B	Dissolved
Cadmium	0.0041	J	0.0050	0.0020	mg/L	1		6010B	Dissolved
Cobalt	0.046		0.010	0.0030	mg/L	1		6010B	Dissolved
Manganese	9.9		0.010	0.0030	mg/L	1		6010B	Dissolved
Molybdenum	0.016	J	0.10	0.0040	mg/L	1		6010B	Dissolved
Nickel	0.11		0.0060	0.0030	mg/L	1		6010B	Dissolved
Selenium	0.045		0.020	0.0080	mg/L	1		6010B	Dissolved
Zinc	0.059	B	0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	600		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	16000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-25

Lab Sample ID: 400-210919-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	910		200	24	mg/L	200		300.0	Total/NA
Nitrate as N	9.6	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	11	H	0.10	0.063	mg/L	1		300.0	Total/NA
Sulfate	6400		200	74	mg/L	200		300.0	Total/NA
Nitrite as N	1.7	H	0.10	0.083	mg/L	1		300.0	Total/NA
Barium	0.029		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.60		0.10	0.022	mg/L	1		6010B	Dissolved
Manganese	0.69		0.010	0.0030	mg/L	1		6010B	Dissolved
Molybdenum	0.061	J	0.10	0.0040	mg/L	1		6010B	Dissolved
Nickel	0.0064		0.0060	0.0030	mg/L	1		6010B	Dissolved
Alkalinity, Total	700		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	11000		250	250	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-26

Lab Sample ID: 400-210919-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.12		0.0010	0.00013	mg/L	1		8260B	Total/NA
Toluene	0.0031		0.0010	0.00041	mg/L	1		8260B	Total/NA
Ethylbenzene	0.023		0.0010	0.00050	mg/L	1		8260B	Total/NA
Xylenes, Total	0.0054	J	0.010	0.0016	mg/L	1		8260B	Total/NA
Chloride	790		200	24	mg/L	200		300.0	Total/NA
Nitrate as N	1.7	H	0.10	0.063	mg/L	1		300.0	Total/NA
Nitrate Nitrite as N	3.4	H	0.10	0.063	mg/L	1		300.0	Total/NA
Sulfate	8200		200	74	mg/L	200		300.0	Total/NA
Nitrite as N	1.7	H	0.10	0.083	mg/L	1		300.0	Total/NA
Barium	0.027		0.010	0.0030	mg/L	1		6010B	Dissolved
Boron	0.87		0.10	0.022	mg/L	1		6010B	Dissolved
Manganese	0.36		0.010	0.0030	mg/L	1		6010B	Dissolved
Molybdenum	0.075	J	0.10	0.0040	mg/L	1		6010B	Dissolved
Selenium	0.0094	J	0.020	0.0080	mg/L	1		6010B	Dissolved
Alkalinity, Total	970		1.0	0.50	mg/L	1		SM 2320B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Pensacola

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-26 (Continued)

Lab Sample ID: 400-210919-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	17000		250	250	mg/L	1		SM 2540C	Total/NA

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-210919-1	TB-01	Water	11/08/21 07:00	11/10/21 09:13
400-210919-2	DUP-01	Water	11/08/21 12:10	11/10/21 09:13
400-210919-3	DUP-02	Water	11/08/21 16:40	11/10/21 09:13
400-210919-4	W-2	Water	11/08/21 08:10	11/10/21 09:13
400-210919-5	MW-4	Water	11/08/21 08:35	11/10/21 09:13
400-210919-6	MW-6	Water	11/08/21 10:10	11/10/21 09:13
400-210919-7	MW-8	Water	11/08/21 10:28	11/10/21 09:13
400-210919-8	MW-9	Water	11/08/21 11:10	11/10/21 09:13
400-210919-9	MW-11	Water	11/08/21 11:35	11/10/21 09:13
400-210919-10	MW-13	Water	11/08/21 12:20	11/10/21 09:13
400-210919-11	MW-14	Water	11/08/21 12:38	11/10/21 09:13
400-210919-12	MW-15	Water	11/08/21 13:15	11/10/21 09:13
400-210919-13	MW-16	Water	11/08/21 13:40	11/10/21 09:13
400-210919-14	MW-18	Water	11/08/21 14:05	11/10/21 09:13
400-210919-15	MW-19	Water	11/08/21 14:25	11/10/21 09:13
400-210919-16	MW-22	Water	11/08/21 14:45	11/10/21 09:13
400-210919-17	MW-24	Water	11/08/21 15:11	11/10/21 09:13
400-210919-18	MW-25	Water	11/08/21 15:26	11/10/21 09:13
400-210919-19	MW-26	Water	11/08/21 15:40	11/10/21 09:13

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: TB-01

Lab Sample ID: 400-210919-1

Date Collected: 11/08/21 07:00

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 12:14	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 12:14	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 12:14	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119		11/12/21 12:14	1
Dibromofluoromethane	91		75 - 126		11/12/21 12:14	1
Toluene-d8 (Surr)	101		64 - 132		11/12/21 12:14	1

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: DUP-01

Lab Sample ID: 400-210919-2

Date Collected: 11/08/21 12:10

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.038		0.0010	0.00013	mg/L			11/12/21 12:38	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 12:38	1
Ethylbenzene	0.017		0.0010	0.00050	mg/L			11/12/21 12:38	1
Xylenes, Total	0.0027	J	0.010	0.0016	mg/L			11/12/21 12:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 119					11/12/21 12:38	1
Dibromofluoromethane	92		75 - 126					11/12/21 12:38	1
Toluene-d8 (Surr)	99		64 - 132					11/12/21 12:38	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		10	1.2	mg/L			11/12/21 13:38	10
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/21 12:23	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/21 12:23	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 12:23	1

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	11000		500	190	mg/L			11/12/21 14:03	500

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9.5		0.20	0.051	mg/L		11/11/21 17:28	11/12/21 13:58	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 16:34	1
Barium	0.011		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:20	1
Boron	0.77		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:20	1
Cadmium	0.0048	J	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 13:58	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 13:58	1
Cobalt	0.24		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 13:58	1
Copper	0.047		0.020	0.017	mg/L		11/11/21 17:28	11/15/21 15:20	1
Iron	13		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 13:58	1
Lead	0.011		0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:20	1
Manganese	7.3		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 13:58	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 13:58	1
Nickel	0.36		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:20	1
Selenium	0.021		0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 13:58	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 14:25	1
Zinc	0.96	B	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 13:58	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 15:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.50	U	1.0	0.50	mg/L			11/11/21 11:24	1
Total Dissolved Solids	16000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: DUP-02

Lab Sample ID: 400-210919-3

Date Collected: 11/08/21 16:40

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.13		0.0010	0.00013	mg/L			11/12/21 13:51	1
Toluene	0.0037		0.0010	0.00041	mg/L			11/12/21 13:51	1
Ethylbenzene	0.029		0.0010	0.00050	mg/L			11/12/21 13:51	1
Xylenes, Total	0.0071	J	0.010	0.0016	mg/L			11/12/21 13:51	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 119					11/12/21 13:51	1
Dibromofluoromethane	90		75 - 126					11/12/21 13:51	1
Toluene-d8 (Surr)	105		64 - 132					11/12/21 13:51	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	780		200	24	mg/L			11/12/21 11:09	200
Nitrate as N	1.7		0.10	0.063	mg/L			11/10/21 17:21	1
Nitrate Nitrite as N	3.4		0.10	0.063	mg/L			11/10/21 17:21	1
Sulfate	8000		200	74	mg/L			11/12/21 11:09	200
Nitrite as N	1.7		0.10	0.083	mg/L			11/10/21 17:21	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:02	1
Arsenic	0.0069	J B	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 16:39	1
Barium	0.027		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:24	1
Boron	0.85		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:24	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:02	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:02	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:02	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:02	1
Iron	0.075	U	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:02	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:24	1
Manganese	0.36		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:02	1
Molybdenum	0.074	J	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:02	1
Nickel	0.0045	J	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:24	1
Selenium	0.035		0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:02	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 15:05	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:02	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 15:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	1000		1.0	0.50	mg/L			11/11/21 11:44	1
Total Dissolved Solids	13000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: W-2

Lab Sample ID: 400-210919-4

Date Collected: 11/08/21 08:10

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00052	J	0.0010	0.00013	mg/L			11/12/21 14:15	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 14:15	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 14:15	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 14:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 119					11/12/21 14:15	1
Dibromofluoromethane	90		75 - 126					11/12/21 14:15	1
Toluene-d8 (Surr)	100		64 - 132					11/12/21 14:15	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		100	12	mg/L			11/13/21 00:29	100
Sulfate	2800		100	37	mg/L			11/13/21 00:29	100

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:06	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 16:45	1
Barium	0.0094	J	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:39	1
Boron	0.66		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:39	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:06	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:06	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:06	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:06	1
Iron	0.075	U	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:06	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:39	1
Manganese	0.0074	J	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:06	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:06	1
Nickel	0.0030	U	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:39	1
Selenium	0.067		0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:06	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 15:10	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:06	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 15:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	230		1.0	0.50	mg/L			11/11/21 12:45	1
Total Dissolved Solids	4900		50	50	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-4

Lab Sample ID: 400-210919-5

Date Collected: 11/08/21 08:35

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 14:39	1
Toluene	0.0014		0.0010	0.00041	mg/L			11/12/21 14:39	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 14:39	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 14:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119		11/12/21 14:39	1
Dibromofluoromethane	93		75 - 126		11/12/21 14:39	1
Toluene-d8 (Surr)	102		64 - 132		11/12/21 14:39	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		100	12	mg/L			11/13/21 01:44	100
Sulfate	2500		100	37	mg/L			11/13/21 01:44	100

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:10	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 16:50	1
Barium	0.0079	J	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:43	1
Boron	0.85		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:43	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:10	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:10	1
Cobalt	0.049		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:10	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:10	1
Iron	9.2		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:10	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:43	1
Manganese	6.4		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:10	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:10	1
Nickel	0.20		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:43	1
Selenium	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:10	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 15:16	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:10	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 15:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	830		1.0	0.50	mg/L			11/11/21 12:31	1
Total Dissolved Solids	4700		50	50	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-6

Lab Sample ID: 400-210919-6

Date Collected: 11/08/21 10:10

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 15:04	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 15:04	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 15:04	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 15:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 119		11/12/21 15:04	1
Dibromofluoromethane	92		75 - 126		11/12/21 15:04	1
Toluene-d8 (Surr)	103		64 - 132		11/12/21 15:04	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	680		20	2.4	mg/L			11/13/21 02:34	20

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	9100		500	190	mg/L			11/13/21 02:58	500

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	15		0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:14	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 16:55	1
Barium	0.0065	J	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:47	1
Boron	0.84		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:47	1
Cadmium	0.0099		0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:14	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:14	1
Cobalt	0.23		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:14	1
Copper	0.049		0.020	0.017	mg/L		11/11/21 17:28	11/15/21 15:47	1
Iron	0.083	J	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:14	1
Lead	0.0027	J	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:47	1
Manganese	7.0		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:14	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:14	1
Nickel	0.29		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:47	1
Selenium	0.30		0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:14	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 15:21	1
Zinc	0.61	B	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:14	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.50	U	1.0	0.50	mg/L			11/11/21 12:49	1
Total Dissolved Solids	14000		250	250	mg/L			11/12/21 14:30	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-8

Lab Sample ID: 400-210919-7

Date Collected: 11/08/21 10:28

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 13:02	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 13:02	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 13:02	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 13:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		72 - 119					11/12/21 13:02	1
Dibromofluoromethane	90		75 - 126					11/12/21 13:02	1
Toluene-d8 (Surr)	101		64 - 132					11/12/21 13:02	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		200	24	mg/L			11/12/21 11:34	200
Nitrate as N	0.072	J	0.10	0.063	mg/L			11/10/21 11:08	1
Nitrate Nitrite as N	0.072	J	0.10	0.063	mg/L			11/10/21 11:08	1
Sulfate	4800		200	74	mg/L			11/12/21 11:34	200
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 11:08	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.32		0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:17	1
Arsenic	0.015	U	0.050	0.015	mg/L		11/11/21 17:28	11/16/21 17:00	5
Barium	0.016		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:51	1
Boron	0.39		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:51	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:17	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:17	1
Cobalt	0.0037	J	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:17	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:17	1
Iron	0.26		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:17	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:51	1
Manganese	0.55		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:17	1
Molybdenum	0.042	J	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:17	1
Nickel	0.0030	U	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:51	1
Selenium	0.049		0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:17	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 15:26	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:17	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	3700		1.0	0.50	mg/L			11/11/21 12:14	1
Total Dissolved Solids	13000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-9

Lab Sample ID: 400-210919-8

Date Collected: 11/08/21 11:10

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.042		0.0010	0.00013	mg/L			11/12/21 15:28	1
Ethylbenzene	0.022		0.0010	0.00050	mg/L			11/12/21 15:28	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 15:28	1
Xylenes, Total	0.0034	J	0.010	0.0016	mg/L			11/12/21 15:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119					11/12/21 15:28	1
Dibromofluoromethane	91		75 - 126					11/12/21 15:28	1
Toluene-d8 (Surr)	99		64 - 132					11/12/21 15:28	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		10	1.2	mg/L			11/12/21 15:22	10
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/21 11:33	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/21 11:33	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 11:33	1

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	11000		500	190	mg/L			11/12/21 15:48	500

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9.4		0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:21	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 17:05	1
Barium	0.0093	J	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:55	1
Boron	0.77		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:55	1
Cadmium	0.0042	J	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:21	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:21	1
Cobalt	0.24		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:21	1
Copper	0.044		0.020	0.017	mg/L		11/11/21 17:28	11/15/21 15:55	1
Iron	13		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:21	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:55	1
Manganese	7.2		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:21	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:21	1
Nickel	0.35		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:55	1
Selenium	0.013	J	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:21	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 15:46	1
Zinc	0.95	B	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:21	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.50	U	1.0	0.50	mg/L			11/11/21 11:27	1
Total Dissolved Solids	36000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-11

Lab Sample ID: 400-210919-9

Date Collected: 11/08/21 11:35

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 15:52	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 15:52	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 15:52	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119		11/12/21 15:52	1
Dibromofluoromethane	93		75 - 126		11/12/21 15:52	1
Toluene-d8 (Surr)	99		64 - 132		11/12/21 15:52	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		100	12	mg/L			11/13/21 02:09	100
Nitrate as N	0.063	J	0.10	0.063	mg/L			11/10/21 11:58	1
Nitrate Nitrite as N	0.063	J	0.10	0.063	mg/L			11/10/21 11:58	1
Sulfate	4200		100	37	mg/L			11/13/21 02:09	100
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 11:58	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:25	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:59	1
Barium	0.013		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:59	1
Boron	0.47		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:59	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:25	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:25	1
Cobalt	0.0033	J	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:25	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:25	1
Iron	1.1		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:25	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:59	1
Manganese	2.6		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:25	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:25	1
Nickel	0.015		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:59	1
Selenium	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:25	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 15:51	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:25	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	710		1.0	0.50	mg/L			11/11/21 13:39	1
Total Dissolved Solids	2100		50	50	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-13

Lab Sample ID: 400-210919-10

Date Collected: 11/08/21 12:20

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.1		0.010	0.0013	mg/L			11/12/21 10:37	10
Toluene	0.0041	U	0.010	0.0041	mg/L			11/12/21 10:37	10
Ethylbenzene	0.054		0.010	0.0050	mg/L			11/12/21 10:37	10
Xylenes, Total	0.016	U	0.10	0.016	mg/L			11/12/21 10:37	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 119					11/12/21 10:37	10
Dibromofluoromethane	89		75 - 126					11/12/21 10:37	10
Toluene-d8 (Surr)	101		64 - 132					11/12/21 10:37	10

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		200	24	mg/L			11/12/21 11:59	200
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/21 12:48	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/21 12:48	1
Sulfate	5200		200	74	mg/L			11/12/21 11:59	200
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 12:48	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:29	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 17:30	1
Barium	0.0064	J	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 16:03	1
Boron	0.32		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 16:03	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:29	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:29	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:29	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:29	1
Iron	3.0		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:29	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 16:03	1
Manganese	2.6		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:29	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:29	1
Nickel	0.0030	U	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 16:03	1
Selenium	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:29	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 15:57	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	1600		1.0	0.50	mg/L			11/15/21 13:54	1
Total Dissolved Solids	13000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-14

Lab Sample ID: 400-210919-11

Date Collected: 11/08/21 12:38

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 16:24	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 16:24	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 16:24	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 16:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					11/12/21 16:24	1
Dibromofluoromethane	92		75 - 126					11/12/21 16:24	1
Toluene-d8 (Surr)	103		64 - 132					11/12/21 16:24	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		10	1.2	mg/L			11/12/21 16:13	10
Nitrate as N	0.18		0.10	0.063	mg/L			11/10/21 13:12	1
Nitrate Nitrite as N	0.18		0.10	0.063	mg/L			11/10/21 13:12	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 13:12	1

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	7900		500	190	mg/L			11/12/21 16:38	500

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:45	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 17:36	1
Barium	0.027		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 16:07	1
Boron	0.80		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 16:07	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:45	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:45	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:45	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:45	1
Iron	0.42		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:45	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 16:07	1
Manganese	10		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:45	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:45	1
Nickel	0.021		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 16:07	1
Selenium	0.011	J	0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 17:36	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 16:02	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:45	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	560		1.0	0.50	mg/L			11/15/21 14:01	1
Total Dissolved Solids	13000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-15

Lab Sample ID: 400-210919-12

Date Collected: 11/08/21 13:15

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.46		0.0050	0.00065	mg/L			11/12/21 09:24	5
Toluene	0.0021	U	0.0050	0.0021	mg/L			11/12/21 09:24	5
Ethylbenzene	0.026		0.0050	0.0025	mg/L			11/12/21 09:24	5
Xylenes, Total	0.021	J	0.050	0.0080	mg/L			11/12/21 09:24	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119					11/12/21 09:24	5
Dibromofluoromethane	91		75 - 126					11/12/21 09:24	5
Toluene-d8 (Surr)	99		64 - 132					11/12/21 09:24	5

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2400		500	60	mg/L			11/13/21 04:13	500
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/21 13:37	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/21 13:37	1
Sulfate	11000		500	190	mg/L			11/13/21 04:13	500
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 13:37	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:49	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 17:41	1
Barium	0.0088	J	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 16:11	1
Boron	0.83		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 16:11	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:49	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:49	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:49	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:49	1
Iron	6.5		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:49	1
Lead	0.0037	J	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 16:11	1
Manganese	4.4		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:49	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:49	1
Nickel	0.0030	U	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 16:11	1
Selenium	0.015	J	0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 17:41	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 16:07	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:49	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	1600		1.0	0.50	mg/L			11/15/21 14:11	1
Total Dissolved Solids	21000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-16

Lab Sample ID: 400-210919-13

Date Collected: 11/08/21 13:40

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.56		0.010	0.0013	mg/L			11/12/21 10:13	10
Toluene	0.0047	J	0.010	0.0041	mg/L			11/12/21 10:13	10
Ethylbenzene	0.32		0.010	0.0050	mg/L			11/12/21 10:13	10
Xylenes, Total	1.4	F1	0.10	0.016	mg/L			11/12/21 10:13	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 119					11/12/21 10:13	10
Dibromofluoromethane	88		75 - 126					11/12/21 10:13	10
Toluene-d8 (Surr)	102		64 - 132					11/12/21 10:13	10

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		500	60	mg/L			11/13/21 04:38	500
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/21 14:02	1
Nitrate Nitrite as N	0.063	U F1	0.10	0.063	mg/L			11/10/21 14:02	1
Sulfate	14000		500	190	mg/L			11/13/21 04:38	500
Nitrite as N	0.083	U F1	0.10	0.083	mg/L			11/10/21 14:02	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U F1	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 14:52	1
Arsenic	0.0030	U F2 F1	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 17:46	1
Barium	0.0047	J F1	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 16:15	1
Boron	0.83		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 16:15	1
Cadmium	0.0020	U F1	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 14:52	1
Chromium	0.0050	U F1	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 14:52	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:52	1
Copper	0.017	U ^+ F1	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 14:52	1
Iron	0.075	U F1	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 14:52	1
Lead	0.0020	U F1	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 16:15	1
Manganese	0.042		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 14:52	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 14:52	1
Nickel	0.0030	U	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 16:15	1
Selenium	0.023	F1	0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 17:46	1
Silver	0.0040	U F1	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 16:12	1
Zinc	0.0080	U F1	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 14:52	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	2800		1.0	0.50	mg/L			11/15/21 13:25	1
Total Dissolved Solids	28000		500	500	mg/L			11/15/21 12:53	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-18

Lab Sample ID: 400-210919-14

Date Collected: 11/08/21 14:05

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00024	J	0.0010	0.00013	mg/L			11/12/21 16:49	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 16:49	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 16:49	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 16:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					11/12/21 16:49	1
Dibromofluoromethane	89		75 - 126					11/12/21 16:49	1
Toluene-d8 (Surr)	102		64 - 132					11/12/21 16:49	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		20	2.4	mg/L			11/13/21 03:23	20
Nitrate as N	0.063	U H	0.10	0.063	mg/L			11/10/21 16:06	1
Nitrate Nitrite as N	0.063	U H	0.10	0.063	mg/L			11/10/21 16:06	1
Nitrite as N	0.083	U H	0.10	0.083	mg/L			11/10/21 16:06	1

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	14000		500	190	mg/L			11/13/21 03:48	500

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.47		0.20	0.051	mg/L		11/11/21 17:28	11/12/21 15:12	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 18:01	1
Barium	0.011		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 16:38	1
Boron	1.0		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 16:38	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 15:12	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 15:12	1
Cobalt	0.13		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:12	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 15:12	1
Iron	8.7		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 15:12	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 16:38	1
Manganese	12		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:12	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 15:12	1
Nickel	0.28		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 16:38	1
Selenium	0.011	J	0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 18:01	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 16:17	1
Zinc	0.13	B	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 15:12	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	110		1.0	0.50	mg/L			11/15/21 14:17	1
Total Dissolved Solids	21000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-19

Lab Sample ID: 400-210919-15

Date Collected: 11/08/21 14:25

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/13/21 11:49	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/13/21 11:49	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/13/21 11:49	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/13/21 11:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					11/13/21 11:49	1
Dibromofluoromethane	93		75 - 126					11/13/21 11:49	1
Toluene-d8 (Surr)	102		64 - 132					11/13/21 11:49	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		10	1.2	mg/L			11/12/21 17:03	10
Nitrate as N	4.9	H	0.10	0.063	mg/L			11/10/21 16:31	1
Nitrate Nitrite as N	4.9	H	0.10	0.063	mg/L			11/10/21 16:31	1
Nitrite as N	0.083	U H	0.10	0.083	mg/L			11/10/21 16:31	1

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	9100		500	190	mg/L			11/12/21 22:25	500

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 15:16	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/16/21 18:06	1
Barium	0.0073	J F1	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 16:42	1
Boron	0.88		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 16:42	1
Cadmium	0.010		0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 15:16	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 15:16	1
Cobalt	0.065		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:16	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 15:16	1
Iron	0.075	U	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 15:16	1
Lead	0.0020	U F1	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 16:42	1
Manganese	10		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:16	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 15:16	1
Nickel	0.19		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 16:42	1
Selenium	0.029	F1	0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 18:06	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/19/21 16:22	1
Zinc	0.13	B	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 15:16	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	180		1.0	0.50	mg/L			11/15/21 13:44	1
Total Dissolved Solids	15000		130	130	mg/L			11/15/21 12:53	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-22

Lab Sample ID: 400-210919-16

Date Collected: 11/08/21 14:45

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00074	J	0.0010	0.00013	mg/L			11/12/21 13:27	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 13:27	1
Ethylbenzene	0.0044		0.0010	0.00050	mg/L			11/12/21 13:27	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 119					11/12/21 13:27	1
Dibromofluoromethane	93		75 - 126					11/12/21 13:27	1
Toluene-d8 (Surr)	94		64 - 132					11/12/21 13:27	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	640		200	24	mg/L			11/12/21 12:24	200
Nitrate as N	0.10	H	0.10	0.063	mg/L			11/10/21 19:00	1
Nitrate Nitrite as N	0.10	H	0.10	0.063	mg/L			11/10/21 19:00	1
Sulfate	8000		200	74	mg/L			11/12/21 12:24	200
Nitrite as N	0.083	U H	0.10	0.083	mg/L			11/10/21 19:00	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 15:39	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:39	1
Barium	0.025		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 16:53	1
Boron	0.58		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 16:53	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 15:39	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 15:39	1
Cobalt	0.0033	J	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:39	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 15:39	1
Iron	3.0		0.20	0.075	mg/L		11/11/21 17:28	11/12/21 15:39	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 16:53	1
Manganese	0.55		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:39	1
Molybdenum	0.023	J	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 15:39	1
Nickel	0.0040	J	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 16:53	1
Selenium	0.010	J	0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 18:17	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/12/21 15:39	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 15:39	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	1600		1.0	0.50	mg/L			11/18/21 12:22	1
Total Dissolved Solids	13000		250	250	mg/L			11/11/21 15:27	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-24

Lab Sample ID: 400-210919-17

Date Collected: 11/08/21 15:11

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 17:37	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 17:37	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 17:37	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119		11/12/21 17:37	1
Dibromofluoromethane	92		75 - 126		11/12/21 17:37	1
Toluene-d8 (Surr)	104		64 - 132		11/12/21 17:37	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		10	1.2	mg/L			11/12/21 23:40	10
Nitrate as N	1.3	H	0.10	0.063	mg/L			11/10/21 20:15	1
Nitrate Nitrite as N	2.5	H	0.10	0.063	mg/L			11/10/21 20:15	1
Nitrite as N	1.2	H	0.10	0.083	mg/L			11/10/21 20:15	1

Method: 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	11000		500	190	mg/L			11/13/21 00:05	500

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.14	J	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 15:43	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:43	1
Barium	0.021		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 16:57	1
Boron	1.0		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 16:57	1
Cadmium	0.0041	J	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 15:43	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 15:43	1
Cobalt	0.046		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:43	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 15:43	1
Iron	0.075	U	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 15:43	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 16:57	1
Manganese	9.9		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:43	1
Molybdenum	0.016	J	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 15:43	1
Nickel	0.11		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 16:57	1
Selenium	0.045		0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 18:37	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/12/21 15:43	1
Zinc	0.059	B	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 15:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	600		1.0	0.50	mg/L			11/16/21 19:01	1
Total Dissolved Solids	16000		250	250	mg/L			11/12/21 14:30	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-25

Lab Sample ID: 400-210919-18

Date Collected: 11/08/21 15:26

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 18:01	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 18:01	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 18:01	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 18:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	100		72 - 119					11/12/21 18:01	1
Dibromofluoromethane	91		75 - 126					11/12/21 18:01	1
Toluene-d8 (Surr)	107		64 - 132					11/12/21 18:01	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	910		200	24	mg/L			11/12/21 12:48	200
Nitrate as N	9.6	H	0.10	0.063	mg/L			11/10/21 20:39	1
Nitrate Nitrite as N	11	H	0.10	0.063	mg/L			11/10/21 20:39	1
Sulfate	6400		200	74	mg/L			11/12/21 12:48	200
Nitrite as N	1.7	H	0.10	0.083	mg/L			11/10/21 20:39	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 15:47	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:47	1
Barium	0.029		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 17:01	1
Boron	0.60		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 17:01	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 15:47	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 15:47	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:47	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 15:47	1
Iron	0.075	U	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 15:47	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 17:01	1
Manganese	0.69		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:47	1
Molybdenum	0.061	J	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 15:47	1
Nickel	0.0064		0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 17:01	1
Selenium	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 18:42	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/12/21 15:47	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 15:47	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	700		1.0	0.50	mg/L			11/16/21 18:54	1
Total Dissolved Solids	11000		250	250	mg/L			11/12/21 14:30	1

Eurofins TestAmerica, Pensacola

Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-26

Lab Sample ID: 400-210919-19

Date Collected: 11/08/21 15:40

Matrix: Water

Date Received: 11/10/21 09:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.12		0.0010	0.00013	mg/L			11/12/21 18:25	1
Toluene	0.0031		0.0010	0.00041	mg/L			11/12/21 18:25	1
Ethylbenzene	0.023		0.0010	0.00050	mg/L			11/12/21 18:25	1
Xylenes, Total	0.0054	J	0.010	0.0016	mg/L			11/12/21 18:25	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 119					11/12/21 18:25	1
Dibromofluoromethane	91		75 - 126					11/12/21 18:25	1
Toluene-d8 (Surr)	101		64 - 132					11/12/21 18:25	1

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	790		200	24	mg/L			11/12/21 13:13	200
Nitrate as N	1.7	H	0.10	0.063	mg/L			11/10/21 21:04	1
Nitrate Nitrite as N	3.4	H	0.10	0.063	mg/L			11/10/21 21:04	1
Sulfate	8200		200	74	mg/L			11/12/21 13:13	200
Nitrite as N	1.7	H	0.10	0.083	mg/L			11/10/21 21:04	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 15:51	1
Arsenic	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:51	1
Barium	0.027		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 17:05	1
Boron	0.87		0.10	0.022	mg/L		11/11/21 17:28	11/15/21 17:05	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 15:51	1
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 15:51	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:51	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 15:51	1
Iron	0.075	U	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 15:51	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 17:05	1
Manganese	0.36		0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 15:51	1
Molybdenum	0.075	J	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 15:51	1
Nickel	0.0030	U	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 17:05	1
Selenium	0.0094	J	0.020	0.0080	mg/L		11/11/21 17:28	11/16/21 18:47	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/12/21 15:51	1
Zinc	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 15:51	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 16:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	970		1.0	0.50	mg/L			11/16/21 18:47	1
Total Dissolved Solids	17000		250	250	mg/L			11/12/21 14:30	1

Eurofins TestAmerica, Pensacola

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Qualifiers

GC/MS VOA

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

HPLC/IC

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

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.
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.
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.

General Chemistry

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

Glossary

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

Eurofins TestAmerica, Pensacola

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

- 1
- 2
- 3
- 4
- 5
- 6
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- 13
- 14
- 15

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (72-119)	DBFM (75-126)	TOL (64-132)
400-210919-1	TB-01	106	91	101
400-210919-2	DUP-01	107	92	99
400-210919-3	DUP-02	103	90	105
400-210919-4	W-2	102	90	100
400-210919-5	MW-4	101	93	102
400-210919-6	MW-6	99	92	103
400-210919-7	MW-8	105	90	101
400-210919-8	MW-9	101	91	99
400-210919-9	MW-11	100	93	99
400-210919-10	MW-13	103	89	101
400-210919-11	MW-14	100	92	103
400-210919-12	MW-15	101	91	99
400-210919-13	MW-16	106	88	102
400-210919-13 MS	MW-16	105	92	101
400-210919-13 MSD	MW-16	107	88	104
400-210919-14	MW-18	100	89	102
400-210919-15	MW-19	100	93	102
400-210919-15 MS	MW-19	102	92	104
400-210919-15 MSD	MW-19	101	95	103
400-210919-16	MW-22	110	93	94
400-210919-17	MW-24	101	92	104
400-210919-18	MW-25	100	91	107
400-210919-19	MW-26	101	91	101
LCS 400-555578/1003	Lab Control Sample	105	89	105
LCS 400-555765/1002	Lab Control Sample	103	91	105
MB 400-555578/5	Method Blank	104	89	102
MB 400-555765/4	Method Blank	97	92	102

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

GC/MS VOA

Analysis Batch: 555578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-1	TB-01	Total/NA	Water	8260B	
400-210919-2	DUP-01	Total/NA	Water	8260B	
400-210919-3	DUP-02	Total/NA	Water	8260B	
400-210919-4	W-2	Total/NA	Water	8260B	
400-210919-5	MW-4	Total/NA	Water	8260B	
400-210919-6	MW-6	Total/NA	Water	8260B	
400-210919-7	MW-8	Total/NA	Water	8260B	
400-210919-8	MW-9	Total/NA	Water	8260B	
400-210919-9	MW-11	Total/NA	Water	8260B	
400-210919-10	MW-13	Total/NA	Water	8260B	
400-210919-11	MW-14	Total/NA	Water	8260B	
400-210919-12	MW-15	Total/NA	Water	8260B	
400-210919-13	MW-16	Total/NA	Water	8260B	
400-210919-14	MW-18	Total/NA	Water	8260B	
400-210919-16	MW-22	Total/NA	Water	8260B	
400-210919-17	MW-24	Total/NA	Water	8260B	
400-210919-18	MW-25	Total/NA	Water	8260B	
400-210919-19	MW-26	Total/NA	Water	8260B	
MB 400-555578/5	Method Blank	Total/NA	Water	8260B	
LCS 400-555578/1003	Lab Control Sample	Total/NA	Water	8260B	
400-210919-13 MS	MW-16	Total/NA	Water	8260B	
400-210919-13 MSD	MW-16	Total/NA	Water	8260B	

Analysis Batch: 555765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-15	MW-19	Total/NA	Water	8260B	
MB 400-555765/4	Method Blank	Total/NA	Water	8260B	
LCS 400-555765/1002	Lab Control Sample	Total/NA	Water	8260B	
400-210919-15 MS	MW-19	Total/NA	Water	8260B	
400-210919-15 MSD	MW-19	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 555317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Total/NA	Water	300.0	
400-210919-3	DUP-02	Total/NA	Water	300.0	
400-210919-7	MW-8	Total/NA	Water	300.0	
400-210919-8	MW-9	Total/NA	Water	300.0	
400-210919-9	MW-11	Total/NA	Water	300.0	
400-210919-10	MW-13	Total/NA	Water	300.0	
400-210919-11	MW-14	Total/NA	Water	300.0	
400-210919-12	MW-15	Total/NA	Water	300.0	
400-210919-13	MW-16	Total/NA	Water	300.0	
400-210919-14	MW-18	Total/NA	Water	300.0	
400-210919-15	MW-19	Total/NA	Water	300.0	
400-210919-16	MW-22	Total/NA	Water	300.0	
400-210919-17	MW-24	Total/NA	Water	300.0	
400-210919-18	MW-25	Total/NA	Water	300.0	
400-210919-19	MW-26	Total/NA	Water	300.0	
MB 400-555317/7	Method Blank	Total/NA	Water	300.0	

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QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

HPLC/IC (Continued)

Analysis Batch: 555317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-555317/5	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-555317/6	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 400-555317/8	Lab Control Sample	Total/NA	Water	300.0	
400-210919-13 MS	MW-16	Total/NA	Water	300.0	
400-210919-13 MSD	MW-16	Total/NA	Water	300.0	
400-210919-15 MS	MW-19	Total/NA	Water	300.0	

Analysis Batch: 555555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Total/NA	Water	300.0	
400-210919-2 - DL	DUP-01	Total/NA	Water	300.0	
400-210919-3	DUP-02	Total/NA	Water	300.0	
400-210919-7	MW-8	Total/NA	Water	300.0	
400-210919-8	MW-9	Total/NA	Water	300.0	
400-210919-8 - DL	MW-9	Total/NA	Water	300.0	
400-210919-10	MW-13	Total/NA	Water	300.0	
400-210919-11	MW-14	Total/NA	Water	300.0	
400-210919-11 - DL	MW-14	Total/NA	Water	300.0	
400-210919-15	MW-19	Total/NA	Water	300.0	
400-210919-16	MW-22	Total/NA	Water	300.0	
400-210919-18	MW-25	Total/NA	Water	300.0	
400-210919-19	MW-26	Total/NA	Water	300.0	
MB 400-555555/122	Method Blank	Total/NA	Water	300.0	
MB 400-555555/6	Method Blank	Total/NA	Water	300.0	
LCS 400-555555/117	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-555555/118	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 400-555555/123	Lab Control Sample	Total/NA	Water	300.0	
MRL 400-555555/7	Lab Control Sample	Total/NA	Water	300.0	
400-210919-15 MS	MW-19	Total/NA	Water	300.0	
400-210919-15 MSD	MW-19	Total/NA	Water	300.0	

Analysis Batch: 555556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-555556/6	Method Blank	Total/NA	Water	300.0	
LCS 400-555556/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-555556/5	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 400-555556/7	Lab Control Sample	Total/NA	Water	300.0	
400-210919-15 MSD	MW-19	Total/NA	Water	300.0	

Analysis Batch: 555746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-4	W-2	Total/NA	Water	300.0	
400-210919-5	MW-4	Total/NA	Water	300.0	
400-210919-6	MW-6	Total/NA	Water	300.0	
400-210919-6 - DL	MW-6	Total/NA	Water	300.0	
400-210919-9	MW-11	Total/NA	Water	300.0	
400-210919-12	MW-15	Total/NA	Water	300.0	
400-210919-13	MW-16	Total/NA	Water	300.0	
400-210919-14	MW-18	Total/NA	Water	300.0	
400-210919-14 - DL	MW-18	Total/NA	Water	300.0	
400-210919-15 - DL	MW-19	Total/NA	Water	300.0	

Eurofins TestAmerica, Pensacola

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

HPLC/IC (Continued)

Analysis Batch: 555746 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-17	MW-24	Total/NA	Water	300.0	
400-210919-17 - DL	MW-24	Total/NA	Water	300.0	
MB 400-555746/33	Method Blank	Total/NA	Water	300.0	
LCS 400-555746/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-555746/32	Lab Control Sample Dup	Total/NA	Water	300.0	
MRL 400-555746/34	Lab Control Sample	Total/NA	Water	300.0	
400-210919-13 MS	MW-16	Total/NA	Water	300.0	
400-210919-13 MSD	MW-16	Total/NA	Water	300.0	
400-210919-15 MS	MW-19	Total/NA	Water	300.0	
400-210919-15 MSD	MW-19	Total/NA	Water	300.0	

Metals

Prep Batch: 555560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Dissolved	Water	3005A	
400-210919-3	DUP-02	Dissolved	Water	3005A	
400-210919-4	W-2	Dissolved	Water	3005A	
400-210919-5	MW-4	Dissolved	Water	3005A	
400-210919-6	MW-6	Dissolved	Water	3005A	
400-210919-7	MW-8	Dissolved	Water	3005A	
400-210919-8	MW-9	Dissolved	Water	3005A	
400-210919-9	MW-11	Dissolved	Water	3005A	
400-210919-10	MW-13	Dissolved	Water	3005A	
400-210919-11	MW-14	Dissolved	Water	3005A	
400-210919-12	MW-15	Dissolved	Water	3005A	
400-210919-13	MW-16	Dissolved	Water	3005A	
400-210919-14	MW-18	Dissolved	Water	3005A	
400-210919-15	MW-19	Dissolved	Water	3005A	
400-210919-16	MW-22	Dissolved	Water	3005A	
400-210919-17	MW-24	Dissolved	Water	3005A	
400-210919-18	MW-25	Dissolved	Water	3005A	
400-210919-19	MW-26	Dissolved	Water	3005A	
MB 400-555560/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-555560/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-210919-13 MS	MW-16	Dissolved	Water	3005A	
400-210919-13 MSD	MW-16	Dissolved	Water	3005A	
400-210919-15 MS	MW-19	Dissolved	Water	3005A	
400-210919-15 MSD	MW-19	Dissolved	Water	3005A	

Prep Batch: 555634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Dissolved	Water	7470A	
400-210919-3	DUP-02	Dissolved	Water	7470A	
400-210919-4	W-2	Dissolved	Water	7470A	
400-210919-5	MW-4	Dissolved	Water	7470A	
400-210919-6	MW-6	Dissolved	Water	7470A	
400-210919-7	MW-8	Dissolved	Water	7470A	
400-210919-8	MW-9	Dissolved	Water	7470A	
400-210919-9	MW-11	Dissolved	Water	7470A	
400-210919-10	MW-13	Dissolved	Water	7470A	

Eurofins TestAmerica, Pensacola

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Metals (Continued)

Prep Batch: 555634 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-11	MW-14	Dissolved	Water	7470A	
400-210919-12	MW-15	Dissolved	Water	7470A	
400-210919-13	MW-16	Dissolved	Water	7470A	
400-210919-14	MW-18	Dissolved	Water	7470A	
400-210919-15	MW-19	Dissolved	Water	7470A	
400-210919-16	MW-22	Dissolved	Water	7470A	
400-210919-17	MW-24	Dissolved	Water	7470A	
400-210919-18	MW-25	Dissolved	Water	7470A	
400-210919-19	MW-26	Dissolved	Water	7470A	
MB 400-555634/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-555634/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-210919-13 MS	MW-16	Dissolved	Water	7470A	
400-210919-13 MSD	MW-16	Dissolved	Water	7470A	
400-210919-15 MS	MW-19	Dissolved	Water	7470A	
400-210919-15 MSD	MW-19	Dissolved	Water	7470A	

Analysis Batch: 555836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Dissolved	Water	6010B	555560
400-210919-3	DUP-02	Dissolved	Water	6010B	555560
400-210919-4	W-2	Dissolved	Water	6010B	555560
400-210919-5	MW-4	Dissolved	Water	6010B	555560
400-210919-6	MW-6	Dissolved	Water	6010B	555560
400-210919-7	MW-8	Dissolved	Water	6010B	555560
400-210919-8	MW-9	Dissolved	Water	6010B	555560
400-210919-9	MW-11	Dissolved	Water	6010B	555560
400-210919-10	MW-13	Dissolved	Water	6010B	555560
400-210919-11	MW-14	Dissolved	Water	6010B	555560
400-210919-12	MW-15	Dissolved	Water	6010B	555560
400-210919-13	MW-16	Dissolved	Water	6010B	555560
400-210919-14	MW-18	Dissolved	Water	6010B	555560
400-210919-15	MW-19	Dissolved	Water	6010B	555560
400-210919-16	MW-22	Dissolved	Water	6010B	555560
400-210919-17	MW-24	Dissolved	Water	6010B	555560
400-210919-18	MW-25	Dissolved	Water	6010B	555560
400-210919-19	MW-26	Dissolved	Water	6010B	555560
MB 400-555560/1-A	Method Blank	Total Recoverable	Water	6010B	555560
LCS 400-555560/2-A	Lab Control Sample	Total Recoverable	Water	6010B	555560
400-210919-13 MS	MW-16	Dissolved	Water	6010B	555560
400-210919-13 MSD	MW-16	Dissolved	Water	6010B	555560
400-210919-15 MS	MW-19	Dissolved	Water	6010B	555560
400-210919-15 MSD	MW-19	Dissolved	Water	6010B	555560

Analysis Batch: 556028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Dissolved	Water	6010B	555560
400-210919-3	DUP-02	Dissolved	Water	6010B	555560
400-210919-4	W-2	Dissolved	Water	6010B	555560
400-210919-5	MW-4	Dissolved	Water	6010B	555560
400-210919-6	MW-6	Dissolved	Water	6010B	555560
400-210919-7	MW-8	Dissolved	Water	6010B	555560

Eurofins TestAmerica, Pensacola

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Metals (Continued)

Analysis Batch: 556028 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-8	MW-9	Dissolved	Water	6010B	555560
400-210919-9	MW-11	Dissolved	Water	6010B	555560
400-210919-10	MW-13	Dissolved	Water	6010B	555560
400-210919-11	MW-14	Dissolved	Water	6010B	555560
400-210919-12	MW-15	Dissolved	Water	6010B	555560
400-210919-13	MW-16	Dissolved	Water	6010B	555560
400-210919-14	MW-18	Dissolved	Water	6010B	555560
400-210919-15	MW-19	Dissolved	Water	6010B	555560
400-210919-16	MW-22	Dissolved	Water	6010B	555560
400-210919-17	MW-24	Dissolved	Water	6010B	555560
400-210919-18	MW-25	Dissolved	Water	6010B	555560
400-210919-19	MW-26	Dissolved	Water	6010B	555560
MB 400-555560/1-A	Method Blank	Total Recoverable	Water	6010B	555560
LCS 400-555560/2-A	Lab Control Sample	Total Recoverable	Water	6010B	555560
400-210919-13 MS	MW-16	Dissolved	Water	6010B	555560
400-210919-13 MSD	MW-16	Dissolved	Water	6010B	555560
400-210919-15 MS	MW-19	Dissolved	Water	6010B	555560
400-210919-15 MSD	MW-19	Dissolved	Water	6010B	555560

Analysis Batch: 556032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Dissolved	Water	7470A	555634
400-210919-3	DUP-02	Dissolved	Water	7470A	555634
400-210919-4	W-2	Dissolved	Water	7470A	555634
400-210919-5	MW-4	Dissolved	Water	7470A	555634
400-210919-6	MW-6	Dissolved	Water	7470A	555634
400-210919-7	MW-8	Dissolved	Water	7470A	555634
400-210919-8	MW-9	Dissolved	Water	7470A	555634
400-210919-9	MW-11	Dissolved	Water	7470A	555634
400-210919-10	MW-13	Dissolved	Water	7470A	555634
400-210919-11	MW-14	Dissolved	Water	7470A	555634
400-210919-12	MW-15	Dissolved	Water	7470A	555634
400-210919-13	MW-16	Dissolved	Water	7470A	555634
400-210919-14	MW-18	Dissolved	Water	7470A	555634
400-210919-15	MW-19	Dissolved	Water	7470A	555634
400-210919-16	MW-22	Dissolved	Water	7470A	555634
400-210919-17	MW-24	Dissolved	Water	7470A	555634
400-210919-18	MW-25	Dissolved	Water	7470A	555634
400-210919-19	MW-26	Dissolved	Water	7470A	555634
MB 400-555634/14-A	Method Blank	Total/NA	Water	7470A	555634
LCS 400-555634/15-A	Lab Control Sample	Total/NA	Water	7470A	555634
400-210919-13 MS	MW-16	Dissolved	Water	7470A	555634
400-210919-13 MSD	MW-16	Dissolved	Water	7470A	555634
400-210919-15 MS	MW-19	Dissolved	Water	7470A	555634
400-210919-15 MSD	MW-19	Dissolved	Water	7470A	555634

Analysis Batch: 556211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Dissolved	Water	6010B	555560
400-210919-3	DUP-02	Dissolved	Water	6010B	555560
400-210919-4	W-2	Dissolved	Water	6010B	555560

Eurofins TestAmerica, Pensacola

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Metals (Continued)

Analysis Batch: 556211 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-5	MW-4	Dissolved	Water	6010B	555560
400-210919-6	MW-6	Dissolved	Water	6010B	555560
400-210919-7	MW-8	Dissolved	Water	6010B	555560
400-210919-8	MW-9	Dissolved	Water	6010B	555560
400-210919-10	MW-13	Dissolved	Water	6010B	555560
400-210919-11	MW-14	Dissolved	Water	6010B	555560
400-210919-12	MW-15	Dissolved	Water	6010B	555560
400-210919-13	MW-16	Dissolved	Water	6010B	555560
400-210919-14	MW-18	Dissolved	Water	6010B	555560
400-210919-15	MW-19	Dissolved	Water	6010B	555560
400-210919-16	MW-22	Dissolved	Water	6010B	555560
400-210919-17	MW-24	Dissolved	Water	6010B	555560
400-210919-18	MW-25	Dissolved	Water	6010B	555560
400-210919-19	MW-26	Dissolved	Water	6010B	555560
400-210919-13 MS	MW-16	Dissolved	Water	6010B	555560
400-210919-13 MSD	MW-16	Dissolved	Water	6010B	555560
400-210919-15 MS	MW-19	Dissolved	Water	6010B	555560

Analysis Batch: 556788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Dissolved	Water	6010B	555560
400-210919-3	DUP-02	Dissolved	Water	6010B	555560
400-210919-4	W-2	Dissolved	Water	6010B	555560
400-210919-5	MW-4	Dissolved	Water	6010B	555560
400-210919-6	MW-6	Dissolved	Water	6010B	555560
400-210919-7	MW-8	Dissolved	Water	6010B	555560
400-210919-8	MW-9	Dissolved	Water	6010B	555560
400-210919-9	MW-11	Dissolved	Water	6010B	555560
400-210919-10	MW-13	Dissolved	Water	6010B	555560
400-210919-11	MW-14	Dissolved	Water	6010B	555560
400-210919-12	MW-15	Dissolved	Water	6010B	555560
400-210919-13	MW-16	Dissolved	Water	6010B	555560
400-210919-14	MW-18	Dissolved	Water	6010B	555560
400-210919-15	MW-19	Dissolved	Water	6010B	555560

Analysis Batch: 556890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-555560/2-A	Lab Control Sample	Total Recoverable	Water	6010B	555560

General Chemistry

Analysis Batch: 555506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Total/NA	Water	SM 2320B	
400-210919-3	DUP-02	Total/NA	Water	SM 2320B	
400-210919-4	W-2	Total/NA	Water	SM 2320B	
400-210919-5	MW-4	Total/NA	Water	SM 2320B	
400-210919-6	MW-6	Total/NA	Water	SM 2320B	
400-210919-7	MW-8	Total/NA	Water	SM 2320B	
400-210919-8	MW-9	Total/NA	Water	SM 2320B	
400-210919-9	MW-11	Total/NA	Water	SM 2320B	

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QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

General Chemistry (Continued)

Analysis Batch: 555506 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-555506/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-555506/3	Lab Control Sample	Total/NA	Water	SM 2320B	
400-210919-3 DU	DUP-02	Total/NA	Water	SM 2320B	

Analysis Batch: 555513

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-2	DUP-01	Total/NA	Water	SM 2540C	
400-210919-3	DUP-02	Total/NA	Water	SM 2540C	
400-210919-4	W-2	Total/NA	Water	SM 2540C	
400-210919-5	MW-4	Total/NA	Water	SM 2540C	
400-210919-7	MW-8	Total/NA	Water	SM 2540C	
400-210919-8	MW-9	Total/NA	Water	SM 2540C	
400-210919-9	MW-11	Total/NA	Water	SM 2540C	
400-210919-10	MW-13	Total/NA	Water	SM 2540C	
400-210919-11	MW-14	Total/NA	Water	SM 2540C	
400-210919-12	MW-15	Total/NA	Water	SM 2540C	
400-210919-14	MW-18	Total/NA	Water	SM 2540C	
400-210919-16	MW-22	Total/NA	Water	SM 2540C	
MB 400-555513/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-555513/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-210919-D-15 DU	400-210919-D-15 DU	Total/NA	Water	SM 2540C	

Analysis Batch: 555785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-6	MW-6	Total/NA	Water	SM 2540C	
400-210919-17	MW-24	Total/NA	Water	SM 2540C	
400-210919-18	MW-25	Total/NA	Water	SM 2540C	
400-210919-19	MW-26	Total/NA	Water	SM 2540C	
MB 400-555785/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-555785/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 555914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-13	MW-16	Total/NA	Water	SM 2540C	
400-210919-15	MW-19	Total/NA	Water	SM 2540C	
MB 400-555914/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-555914/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 555981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-10	MW-13	Total/NA	Water	SM 2320B	
400-210919-11	MW-14	Total/NA	Water	SM 2320B	
400-210919-12	MW-15	Total/NA	Water	SM 2320B	
400-210919-13	MW-16	Total/NA	Water	SM 2320B	
400-210919-14	MW-18	Total/NA	Water	SM 2320B	
400-210919-15	MW-19	Total/NA	Water	SM 2320B	
MB 400-555981/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-555981/5	Lab Control Sample	Total/NA	Water	SM 2320B	
400-210919-13 DU	MW-16	Total/NA	Water	SM 2320B	

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QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

General Chemistry

Analysis Batch: 556186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-17	MW-24	Total/NA	Water	SM 2320B	
400-210919-18	MW-25	Total/NA	Water	SM 2320B	
400-210919-19	MW-26	Total/NA	Water	SM 2320B	
MB 400-556186/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-556186/5	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 556499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-210919-16	MW-22	Total/NA	Water	SM 2320B	
MB 400-556499/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-556499/5	Lab Control Sample	Total/NA	Water	SM 2320B	

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

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

Lab Sample ID: MB 400-555578/5

Matrix: Water

Analysis Batch: 555578

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/12/21 09:00	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/12/21 09:00	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/12/21 09:00	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/12/21 09:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		72 - 119		11/12/21 09:00	1
Dibromofluoromethane	89		75 - 126		11/12/21 09:00	1
Toluene-d8 (Surr)	102		64 - 132		11/12/21 09:00	1

Lab Sample ID: LCS 400-555578/1003

Matrix: Water

Analysis Batch: 555578

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0469		mg/L		94	70 - 130
Ethylbenzene	0.0500	0.0536		mg/L		107	70 - 130
Toluene	0.0500	0.0538		mg/L		108	70 - 130
Xylenes, Total	0.100	0.105		mg/L		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		72 - 119
Dibromofluoromethane	89		75 - 126
Toluene-d8 (Surr)	105		64 - 132

Lab Sample ID: 400-210919-13 MS

Matrix: Water

Analysis Batch: 555578

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.56		0.500	0.923		mg/L		73	56 - 142
Toluene	0.0047	J	0.500	0.398		mg/L		79	65 - 130
Ethylbenzene	0.32		0.500	0.615		mg/L		59	58 - 131
Xylenes, Total	1.4	F1	1.00	1.85	F1	mg/L		44	59 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	105		72 - 119
Dibromofluoromethane	92		75 - 126
Toluene-d8 (Surr)	101		64 - 132

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 555578

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.56		0.500	0.993		mg/L		87	56 - 142	7	30
Toluene	0.0047	J	0.500	0.485		mg/L		96	65 - 130	20	30
Ethylbenzene	0.32		0.500	0.697		mg/L		75	58 - 131	12	30

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

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

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 555578

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Xylenes, Total	1.4	F1	1.00	2.02		mg/L		62	59 - 130	9	30
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene	107		72 - 119								
Dibromofluoromethane	88		75 - 126								
Toluene-d8 (Surr)	104		64 - 132								

Lab Sample ID: MB 400-555765/4

Matrix: Water

Analysis Batch: 555765

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00013	U	0.0010	0.00013	mg/L			11/13/21 10:37	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/13/21 10:37	1
Toluene	0.00041	U	0.0010	0.00041	mg/L			11/13/21 10:37	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/13/21 10:37	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		72 - 119					11/13/21 10:37	1
Dibromofluoromethane	92		75 - 126					11/13/21 10:37	1
Toluene-d8 (Surr)	102		64 - 132					11/13/21 10:37	1

Lab Sample ID: LCS 400-555765/1002

Matrix: Water

Analysis Batch: 555765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0484		mg/L		97	70 - 130
Ethylbenzene	0.0500	0.0539		mg/L		108	70 - 130
Toluene	0.0500	0.0558		mg/L		112	70 - 130
Xylenes, Total	0.100	0.103		mg/L		103	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene	103		72 - 119				
Dibromofluoromethane	91		75 - 126				
Toluene-d8 (Surr)	105		64 - 132				

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 555765

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00013	U	0.0500	0.0440		mg/L		88	56 - 142
Toluene	0.00041	U	0.0500	0.0459		mg/L		92	65 - 130
Ethylbenzene	0.00050	U	0.0500	0.0408		mg/L		82	58 - 131
Xylenes, Total	0.0016	U	0.100	0.0806		mg/L		81	59 - 130

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

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

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 555765

Client Sample ID: MW-19

Prep Type: Total/NA

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	102		72 - 119
Dibromofluoromethane	92		75 - 126
Toluene-d8 (Surr)	104		64 - 132

Lab Sample ID: 400-210919-15 MSD

Matrix: Water

Analysis Batch: 555765

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00013	U	0.0500	0.0443		mg/L		89	56 - 142	1	30
Toluene	0.00041	U	0.0500	0.0452		mg/L		90	65 - 130	2	30
Ethylbenzene	0.00050	U	0.0500	0.0405		mg/L		81	58 - 131	1	30
Xylenes, Total	0.0016	U	0.100	0.0786		mg/L		79	59 - 130	3	30

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene	101		72 - 119
Dibromofluoromethane	95		75 - 126
Toluene-d8 (Surr)	103		64 - 132

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-555317/7

Matrix: Water

Analysis Batch: 555317

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/21 22:19	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/21 22:19	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/21 22:19	1

Lab Sample ID: LCS 400-555317/5

Matrix: Water

Analysis Batch: 555317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.11		mg/L		93	90 - 110
Nitrate Nitrite as N	5.30	5.15		mg/L		97	90 - 110
Nitrite as N	3.04	3.04		mg/L		100	90 - 110

Lab Sample ID: LCSD 400-555317/6

Matrix: Water

Analysis Batch: 555317

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.26	2.12		mg/L		94	90 - 110	1	15
Nitrate Nitrite as N	5.30	5.17		mg/L		98	90 - 110	0	15
Nitrite as N	3.04	3.05		mg/L		100	90 - 110	1	15

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 400-555317/8

Matrix: Water

Analysis Batch: 555317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.226	0.176		mg/L		78	50 - 150
Nitrate Nitrite as N	0.530	0.425		mg/L		80	50 - 150
Nitrite as N	0.304	0.249		mg/L		82	50 - 150

Lab Sample ID: 400-210919-13 MS

Matrix: Water

Analysis Batch: 555317

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.063	U	2.26	2.21	H	mg/L		98	80 - 120
Nitrate Nitrite as N	0.063	U F1	5.30	7.31	H F1	mg/L		138	80 - 120
Nitrite as N	0.083	U F1	3.04	5.10	H F1	mg/L		168	80 - 120

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 555317

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	0.063	U	2.26	2.23	H	mg/L		99	80 - 120	1	20
Nitrate Nitrite as N	0.063	U F1	5.30	7.43	H F1	mg/L		140	80 - 120	2	20
Nitrite as N	0.083	U F1	3.04	5.20	H F1	mg/L		171	80 - 120	2	20

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 555317

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	4.9	H	2.26	7.19	H	mg/L		101	80 - 120
Nitrate Nitrite as N	4.9	H	5.30	10.5	H	mg/L		106	80 - 120
Nitrite as N	0.083	U H	3.04	3.32	H	mg/L		109	80 - 120

Lab Sample ID: MB 400-555555/122

Matrix: Water

Analysis Batch: 555555

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.12	U	1.0	0.12	mg/L			11/12/21 10:19	1
Sulfate	0.37	U	1.0	0.37	mg/L			11/12/21 10:19	1

Lab Sample ID: MB 400-555555/6

Matrix: Water

Analysis Batch: 555555

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.12	U	1.0	0.12	mg/L			11/12/21 03:42	1
Sulfate	0.37	U	1.0	0.37	mg/L			11/12/21 03:42	1

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-555555/117

Matrix: Water

Analysis Batch: 555555

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.80		mg/L		98	90 - 110
Sulfate	10.0	10.9		mg/L		109	90 - 110

Lab Sample ID: LCSD 400-555555/118

Matrix: Water

Analysis Batch: 555555

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	9.83		mg/L		98	90 - 110	0	15
Sulfate	10.0	10.2		mg/L		102	90 - 110	7	15

Lab Sample ID: MRL 400-555555/123

Matrix: Water

Analysis Batch: 555555

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.00	0.89	U	mg/L		86	50 - 150
Sulfate	1.00	0.948	J	mg/L		95	50 - 150

Lab Sample ID: MRL 400-555555/7

Matrix: Water

Analysis Batch: 555555

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.00	0.89	U	mg/L		87	50 - 150
Sulfate	1.00	1.03		mg/L		103	50 - 150

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 555555

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	180		100	276		mg/L		101	80 - 120

Lab Sample ID: 400-210919-15 MSD

Matrix: Water

Analysis Batch: 555555

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	180		100	275		mg/L		100	80 - 120	0	20

Lab Sample ID: MB 400-555556/6

Matrix: Water

Analysis Batch: 555556

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/12/21 03:42	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/12/21 03:42	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/12/21 03:42	1

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-555556/4

Matrix: Water

Analysis Batch: 555556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	2.26	2.09		mg/L		93	90 - 110
Nitrate Nitrite as N	5.30	5.12		mg/L		97	90 - 110
Nitrite as N	3.04	3.03		mg/L		100	90 - 110

Lab Sample ID: LCSD 400-555556/5

Matrix: Water

Analysis Batch: 555556

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	2.26	2.20		mg/L		97	90 - 110	5	15
Nitrate Nitrite as N	5.30	5.30		mg/L		100	90 - 110	3	15
Nitrite as N	3.04	3.10		mg/L		102	90 - 110	2	15

Lab Sample ID: MRL 400-555556/7

Matrix: Water

Analysis Batch: 555556

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate as N	0.226	0.218		mg/L		97	50 - 150
Nitrate Nitrite as N	0.530	0.474		mg/L		89	50 - 150
Nitrite as N	0.304	0.256		mg/L		84	50 - 150

Lab Sample ID: 400-210919-15 MSD

Matrix: Water

Analysis Batch: 555556

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate as N	4.9	H	2.26	7.30	H	mg/L		106	80 - 120	2	20
Nitrate Nitrite as N	4.9	H	5.30	10.7	H	mg/L		109	80 - 120	2	20
Nitrite as N	0.083	U H	3.04	3.37	H	mg/L		111	80 - 120	2	20

Lab Sample ID: MB 400-555746/33

Matrix: Water

Analysis Batch: 555746

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.12	U	1.0	0.12	mg/L			11/12/21 21:36	1
Sulfate	0.37	U	1.0	0.37	mg/L			11/12/21 21:36	1

Lab Sample ID: LCS 400-555746/4

Matrix: Water

Analysis Batch: 555746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.96		mg/L		100	90 - 110
Sulfate	10.0	9.95		mg/L		100	90 - 110

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-555746/32

Matrix: Water

Analysis Batch: 555746

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	9.93		mg/L		99	90 - 110	0	15
Sulfate	10.0	9.98		mg/L		100	90 - 110	0	15

Lab Sample ID: MRL 400-555746/34

Matrix: Water

Analysis Batch: 555746

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.00	0.89	U	mg/L		85	50 - 150		
Sulfate	1.00	0.985	J	mg/L		98	50 - 150		

Lab Sample ID: 400-210919-13 MS

Matrix: Water

Analysis Batch: 555746

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1500		5000	6690		mg/L		105	80 - 120		
Sulfate	14000		5000	19100		mg/L		105	80 - 120		

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 555746

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1500		5000	6540		mg/L		102	80 - 120	2	20
Sulfate	14000		5000	18800		mg/L		100	80 - 120	1	20

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 555746

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	9100		5000	14400		mg/L		106	80 - 120		

Lab Sample ID: 400-210919-15 MSD

Matrix: Water

Analysis Batch: 555746

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	9100		5000	14400		mg/L		105	80 - 120	0	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 400-555560/1-A

Matrix: Water

Analysis Batch: 555836

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 555560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.051	U	0.20	0.051	mg/L		11/11/21 17:28	11/12/21 13:39	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		11/11/21 17:28	11/12/21 13:39	1

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 400-555560/1-A

Matrix: Water

Analysis Batch: 555836

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 555560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0050	U	0.010	0.0050	mg/L		11/11/21 17:28	11/12/21 13:39	1
Cobalt	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 13:39	1
Copper	0.017	U ^+	0.020	0.017	mg/L		11/11/21 17:28	11/12/21 13:39	1
Iron	0.075	U	0.20	0.075	mg/L		11/11/21 17:28	11/12/21 13:39	1
Manganese	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/12/21 13:39	1
Molybdenum	0.0040	U	0.10	0.0040	mg/L		11/11/21 17:28	11/12/21 13:39	1
Selenium	0.0080	U	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 13:39	1
Zinc	0.0151	J	0.020	0.0080	mg/L		11/11/21 17:28	11/12/21 13:39	1

Lab Sample ID: MB 400-555560/1-A

Matrix: Water

Analysis Batch: 556028

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 555560

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0154		0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:13	1
Barium	0.0030	U	0.010	0.0030	mg/L		11/11/21 17:28	11/15/21 15:13	1
Boron	0.022	U	0.10	0.022	mg/L		11/11/21 17:28	11/15/21 15:13	1
Copper	0.017	U	0.020	0.017	mg/L		11/11/21 17:28	11/15/21 15:13	1
Lead	0.0020	U	0.010	0.0020	mg/L		11/11/21 17:28	11/15/21 15:13	1
Nickel	0.0030	U	0.0060	0.0030	mg/L		11/11/21 17:28	11/15/21 15:13	1
Silver	0.0040	U	0.0050	0.0040	mg/L		11/11/21 17:28	11/15/21 15:13	1

Lab Sample ID: LCS 400-555560/2-A

Matrix: Water

Analysis Batch: 555836

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 555560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	10.0	10.8		mg/L		108	80 - 120
Cadmium	0.500	0.552		mg/L		110	80 - 120
Chromium	1.00	1.07		mg/L		107	80 - 120
Cobalt	1.00	0.993		mg/L		99	80 - 120
Iron	10.0	9.46		mg/L		95	80 - 120
Manganese	1.00	1.02		mg/L		102	80 - 120
Molybdenum	1.00	0.929		mg/L		93	80 - 120
Selenium	1.00	1.07		mg/L		107	80 - 120
Zinc	1.00	1.12		mg/L		112	80 - 120

Lab Sample ID: LCS 400-555560/2-A

Matrix: Water

Analysis Batch: 556028

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 555560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.10		mg/L		110	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Boron	1.00	1.13		mg/L		113	80 - 120
Copper	1.00	1.16		mg/L		116	80 - 120
Lead	1.00	1.04		mg/L		104	80 - 120
Nickel	1.00	1.03		mg/L		103	80 - 120

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 400-555560/2-A

Matrix: Water

Analysis Batch: 556890

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 555560

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.500	0.476		mg/L		95	80 - 120

Lab Sample ID: 400-210919-13 MS

Matrix: Water

Analysis Batch: 555836

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	0.051	U F1	10.0	4.47	F1	mg/L		45	75 - 125
Boron	0.77	B	1.00	1.73		mg/L		96	75 - 125
Cadmium	0.0020	U F1	0.500	0.161	F1	mg/L		32	75 - 125
Chromium	0.0050	U F1	1.00	0.327	F1	mg/L		33	75 - 125
Cobalt	0.0030	U	1.00	0.920		mg/L		92	75 - 125
Iron	0.075	U F1	10.0	7.64		mg/L		76	75 - 125
Manganese	0.042		1.00	0.961		mg/L		92	75 - 125
Molybdenum	0.0040	U	1.00	0.748		mg/L		75	75 - 125
Selenium	0.055	^2 F1	1.00	0.507	F1	mg/L		45	75 - 125
Zinc	0.0080	U F1	1.00	0.484	F1	mg/L		48	75 - 125

Lab Sample ID: 400-210919-13 MS

Matrix: Water

Analysis Batch: 556028

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.0047	J F1	1.00	0.217	F1	mg/L		21	75 - 125
Copper	0.017	U F1	1.00	0.216	F1	mg/L		22	75 - 125
Lead	0.0020	U F1	1.00	0.164	F1	mg/L		16	75 - 125
Nickel	0.0030	U	1.00	0.963		mg/L		96	75 - 125
Silver	0.0040	U F1 *-	0.500	0.122	F1	mg/L		24	75 - 125

Lab Sample ID: 400-210919-13 MS

Matrix: Water

Analysis Batch: 556211

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0030	U F2 F1	1.00	0.0255	F1	mg/L		3	75 - 125

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 555836

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.051	U F1	10.0	4.75	F1	mg/L		47	75 - 125	6	20
Boron	0.77	B	1.00	1.71		mg/L		94	75 - 125	1	20
Cadmium	0.0020	U F1	0.500	0.191	F1	mg/L		38	75 - 125	17	20
Chromium	0.0050	U F1	1.00	0.345	F1	mg/L		35	75 - 125	5	20
Cobalt	0.0030	U	1.00	0.944		mg/L		94	75 - 125	3	20
Iron	0.075	U F1	10.0	7.33	F1	mg/L		73	75 - 125	4	20
Manganese	0.042		1.00	0.920		mg/L		88	75 - 125	4	20
Molybdenum	0.0040	U	1.00	0.789		mg/L		79	75 - 125	5	20

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 555836

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Selenium	0.055	^2 F1	1.00	0.567	F1	mg/L		51	75 - 125	11	20
Zinc	0.0080	U F1	1.00	0.498	F1	mg/L		50	75 - 125	3	20

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 556028

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	0.0047	J F1	1.00	0.187	F1	mg/L		18	75 - 125	15	20
Copper	0.017	U F1	1.00	0.227	F1	mg/L		23	75 - 125	5	20
Lead	0.0020	U F1	1.00	0.181	F1	mg/L		18	75 - 125	9	20
Nickel	0.0030	U	1.00	0.948		mg/L		95	75 - 125	1	20
Silver	0.0040	U F1 *-	0.500	0.137	F1	mg/L		27	75 - 125	12	20

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 556211

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.0030	U F2 F1	1.00	0.0609	F2 F1	mg/L		6	75 - 125	82	20

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 555836

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aluminum	0.051	U	10.0	10.5		mg/L		105	75 - 125		
Boron	0.82	B	1.00	1.79		mg/L		97	75 - 125		
Cadmium	0.010		0.500	0.564		mg/L		111	75 - 125		
Chromium	0.0050	U	1.00	0.933		mg/L		93	75 - 125		
Cobalt	0.065		1.00	1.07		mg/L		101	75 - 125		
Iron	0.075	U	10.0	8.77		mg/L		88	75 - 125		
Manganese	10		1.00	11.2	4	mg/L		79	75 - 125		
Molybdenum	0.0040	U	1.00	0.928		mg/L		93	75 - 125		
Selenium	0.069	^2	1.00	1.27		mg/L		120	75 - 125		
Zinc	0.13	B	1.00	1.09		mg/L		96	75 - 125		

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 556028

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Barium	0.0073	J F1	1.00	0.0974	F1	mg/L		9	75 - 125		
Copper	0.017	U	1.00	1.11		mg/L		111	75 - 125		
Lead	0.0020	U F1	1.00	0.542	F1	mg/L		54	75 - 125		
Nickel	0.19		1.00	1.21		mg/L		102	75 - 125		
Silver	0.0040	U F2 F1 *-	0.500	0.177	F1	mg/L		35	75 - 125		

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 556211

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0030	U	1.00	1.06		mg/L		106	75 - 125

Lab Sample ID: 400-210919-15 MSD

Matrix: Water

Analysis Batch: 555836

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	0.051	U	10.0	10.6		mg/L		106	75 - 125	0	20
Arsenic	0.019	^	1.00	1.03		mg/L		101	75 - 125	1	20
Boron	0.82	B	1.00	1.76		mg/L		94	75 - 125	1	20
Cadmium	0.010		0.500	0.559		mg/L		110	75 - 125	1	20
Chromium	0.0050	U	1.00	0.936		mg/L		94	75 - 125	0	20
Cobalt	0.065		1.00	1.07		mg/L		100	75 - 125	1	20
Iron	0.075	U	10.0	8.88		mg/L		89	75 - 125	1	20
Manganese	10		1.00	11.2	4	mg/L		80	75 - 125	0	20
Molybdenum	0.0040	U	1.00	0.927		mg/L		93	75 - 125	0	20
Selenium	0.069	^2	1.00	1.25		mg/L		118	75 - 125	2	20
Silver	0.0040	U ^	0.500	0.419		mg/L		84	75 - 125	10	20
Zinc	0.13	B	1.00	1.09		mg/L		96	75 - 125	0	20

Lab Sample ID: 400-210919-15 MSD

Matrix: Water

Analysis Batch: 556028

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 555560

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	0.0073	J F1	1.00	0.0947	F1	mg/L		9	75 - 125	3	20
Copper	0.017	U	1.00	1.12		mg/L		112	75 - 125	1	20
Lead	0.0020	U F1	1.00	0.534	F1	mg/L		53	75 - 125	2	20
Nickel	0.19		1.00	1.21		mg/L		102	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-555634/14-A

Matrix: Water

Analysis Batch: 556032

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 555634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00015	U	0.00020	0.00015	mg/L		11/12/21 11:09	11/12/21 15:46	1

Lab Sample ID: LCS 400-555634/15-A

Matrix: Water

Analysis Batch: 556032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 555634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00101	0.000990		mg/L		98	80 - 120

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 400-210919-13 MS

Matrix: Water

Analysis Batch: 556032

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00015	U	0.00201	0.00186		mg/L		92	80 - 120

Lab Sample ID: 400-210919-13 MSD

Matrix: Water

Analysis Batch: 556032

Client Sample ID: MW-16

Prep Type: Dissolved

Prep Batch: 555634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00184		mg/L		91	80 - 120	1	20

Lab Sample ID: 400-210919-15 MS

Matrix: Water

Analysis Batch: 556032

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 555634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00015	U	0.00201	0.00186		mg/L		92	80 - 120

Lab Sample ID: 400-210919-15 MSD

Matrix: Water

Analysis Batch: 556032

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 555634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00015	U	0.00201	0.00190		mg/L		95	80 - 120	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 400-555506/2

Matrix: Water

Analysis Batch: 555506

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.50	U	1.0	0.50	mg/L			11/11/21 10:09	1

Lab Sample ID: LCS 400-555506/3

Matrix: Water

Analysis Batch: 555506

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	95.5	94.0		mg/L		98	80 - 120

Lab Sample ID: 400-210919-3 DU

Matrix: Water

Analysis Batch: 555506

Client Sample ID: DUP-02

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	1000		985		mg/L		1	20

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: MB 400-555981/4

Matrix: Water

Analysis Batch: 555981

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.50	U	1.0	0.50	mg/L			11/15/21 12:56	1

Lab Sample ID: LCS 400-555981/5

Matrix: Water

Analysis Batch: 555981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	95.5	92.4		mg/L		97	80 - 120

Lab Sample ID: 400-210919-13 DU

Matrix: Water

Analysis Batch: 555981

Client Sample ID: MW-16

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	2800		2780		mg/L		1	20

Lab Sample ID: MB 400-556186/4

Matrix: Water

Analysis Batch: 556186

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.50	U	1.0	0.50	mg/L			11/16/21 16:39	1

Lab Sample ID: LCS 400-556186/5

Matrix: Water

Analysis Batch: 556186

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	95.5	104		mg/L		109	80 - 120

Lab Sample ID: MB 400-556499/4

Matrix: Water

Analysis Batch: 556499

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	0.50	U	1.0	0.50	mg/L			11/18/21 11:29	1

Lab Sample ID: LCS 400-556499/5

Matrix: Water

Analysis Batch: 556499

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	95.5	95.0		mg/L		100	80 - 120

Eurofins TestAmerica, Pensacola

QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-555513/1

Matrix: Water

Analysis Batch: 555513

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			11/11/21 15:27	1

Lab Sample ID: LCS 400-555513/2

Matrix: Water

Analysis Batch: 555513

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	293	246		mg/L		84	78 - 122

Lab Sample ID: 400-210919-D-15 DU

Matrix: Water

Analysis Batch: 555513

Client Sample ID: 400-210919-D-15 DU

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids			15400		mg/L			

Lab Sample ID: MB 400-555785/1

Matrix: Water

Analysis Batch: 555785

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			11/12/21 14:30	1

Lab Sample ID: LCS 400-555785/2

Matrix: Water

Analysis Batch: 555785

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	293	298		mg/L		102	78 - 122

Lab Sample ID: MB 400-555914/1

Matrix: Water

Analysis Batch: 555914

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			11/15/21 12:53	1

Lab Sample ID: LCS 400-555914/2

Matrix: Water

Analysis Batch: 555914

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	293	266		mg/L		91	78 - 122

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: TB-01

Lab Sample ID: 400-210919-1

Date Collected: 11/08/21 07:00

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 12:14	HML	TAL PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-210919-2

Date Collected: 11/08/21 12:10

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 12:38	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 12:23	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555555	11/12/21 13:38	KIS	TAL PEN
Total/NA	Analysis	300.0	DL	500			555555	11/12/21 14:03	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 16:34	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 14:25	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 13:58	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 15:20	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 15:53	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 11:24	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: DUP-02

Lab Sample ID: 400-210919-3

Date Collected: 11/08/21 16:40

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 13:51	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 17:21	KIS	TAL PEN
Total/NA	Analysis	300.0		200			555555	11/12/21 11:09	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 16:39	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 15:05	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:02	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 15:24	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 15:55	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 11:44	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: W-2

Lab Sample ID: 400-210919-4

Date Collected: 11/08/21 08:10

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 14:15	HML	TAL PEN
Total/NA	Analysis	300.0		100			555746	11/13/21 00:29	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 16:45	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 15:10	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:06	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 15:39	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 15:57	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 12:45	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-4

Lab Sample ID: 400-210919-5

Date Collected: 11/08/21 08:35

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 14:39	HML	TAL PEN
Total/NA	Analysis	300.0		100			555746	11/13/21 01:44	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 16:50	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 15:16	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:10	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 15:43	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 15:59	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 12:31	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-6

Lab Sample ID: 400-210919-6

Date Collected: 11/08/21 10:10

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 15:04	HML	TAL PEN
Total/NA	Analysis	300.0		20			555746	11/13/21 02:34	KIS	TAL PEN
Total/NA	Analysis	300.0	DL	500			555746	11/13/21 02:58	KIS	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-6

Lab Sample ID: 400-210919-6

Date Collected: 11/08/21 10:10

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 16:55	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 15:21	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:14	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 15:47	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:01	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 12:49	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555785	11/12/21 14:30	VB	TAL PEN

Client Sample ID: MW-8

Lab Sample ID: 400-210919-7

Date Collected: 11/08/21 10:28

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 13:02	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 11:08	KIS	TAL PEN
Total/NA	Analysis	300.0		200			555555	11/12/21 11:34	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		5			556211	11/16/21 17:00	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 15:26	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:17	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 15:51	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:03	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 12:14	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-9

Lab Sample ID: 400-210919-8

Date Collected: 11/08/21 11:10

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 15:28	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 11:33	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555555	11/12/21 15:22	KIS	TAL PEN
Total/NA	Analysis	300.0	DL	500			555555	11/12/21 15:48	KIS	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-9

Lab Sample ID: 400-210919-8

Date Collected: 11/08/21 11:10

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 17:05	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 15:46	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:21	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 15:55	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:05	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 11:27	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-11

Lab Sample ID: 400-210919-9

Date Collected: 11/08/21 11:35

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 15:52	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 11:58	KIS	TAL PEN
Total/NA	Analysis	300.0		100			555746	11/13/21 02:09	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 15:51	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:25	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 15:59	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:06	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 13:39	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-13

Lab Sample ID: 400-210919-10

Date Collected: 11/08/21 12:20

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	555578	11/12/21 10:37	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 12:48	KIS	TAL PEN
Total/NA	Analysis	300.0		200			555555	11/12/21 11:59	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 17:30	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 15:57	JTW	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-13

Lab Sample ID: 400-210919-10

Date Collected: 11/08/21 12:20

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:29	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:03	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:08	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555981	11/15/21 13:54	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-14

Lab Sample ID: 400-210919-11

Date Collected: 11/08/21 12:38

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 16:24	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 13:12	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555555	11/12/21 16:13	KIS	TAL PEN
Total/NA	Analysis	300.0	DL	500			555555	11/12/21 16:38	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 17:36	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 16:02	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:45	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:07	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:14	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555981	11/15/21 14:01	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-15

Lab Sample ID: 400-210919-12

Date Collected: 11/08/21 13:15

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	5 mL	5 mL	555578	11/12/21 09:24	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 13:37	KIS	TAL PEN
Total/NA	Analysis	300.0		500			555746	11/13/21 04:13	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 17:41	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 16:07	JTW	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-15

Lab Sample ID: 400-210919-12

Date Collected: 11/08/21 13:15

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:49	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:11	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:16	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555981	11/15/21 14:11	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-16

Lab Sample ID: 400-210919-13

Date Collected: 11/08/21 13:40

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	555578	11/12/21 10:13	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 14:02	KIS	TAL PEN
Total/NA	Analysis	300.0		500			555746	11/13/21 04:38	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 17:46	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 16:12	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 14:52	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:15	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:18	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555981	11/15/21 13:25	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	0.5 mL	50 mL	555914	11/15/21 12:53	CAC	TAL PEN

Client Sample ID: MW-18

Lab Sample ID: 400-210919-14

Date Collected: 11/08/21 14:05

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 16:49	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 16:06	KIS	TAL PEN
Total/NA	Analysis	300.0		20			555746	11/13/21 03:23	KIS	TAL PEN
Total/NA	Analysis	300.0	DL	500			555746	11/13/21 03:48	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 18:01	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 16:17	JTW	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-18

Lab Sample ID: 400-210919-14

Date Collected: 11/08/21 14:05

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:12	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:38	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:25	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555981	11/15/21 14:17	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-19

Lab Sample ID: 400-210919-15

Date Collected: 11/08/21 14:25

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555765	11/13/21 11:49	SAB	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 16:31	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555555	11/12/21 17:03	KIS	TAL PEN
Total/NA	Analysis	300.0	DL	500			555746	11/12/21 22:25	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 18:06	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556788	11/19/21 16:22	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:16	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:42	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:27	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555981	11/15/21 13:44	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	2 mL	50 mL	555914	11/15/21 12:53	CAC	TAL PEN

Client Sample ID: MW-22

Lab Sample ID: 400-210919-16

Date Collected: 11/08/21 14:45

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 13:27	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 19:00	KIS	TAL PEN
Total/NA	Analysis	300.0		200			555555	11/12/21 12:24	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 18:17	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:39	JTW	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-22

Lab Sample ID: 400-210919-16

Date Collected: 11/08/21 14:45

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:53	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:38	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	556499	11/18/21 12:22	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: MW-24

Lab Sample ID: 400-210919-17

Date Collected: 11/08/21 15:11

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 17:37	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 20:15	KIS	TAL PEN
Total/NA	Analysis	300.0		10	10 mL	1.0 mL	555746	11/12/21 23:40	KIS	TAL PEN
Total/NA	Analysis	300.0	DL	500			555746	11/13/21 00:05	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 18:37	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:43	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:57	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:40	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	556186	11/16/21 19:01	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555785	11/12/21 14:30	VB	TAL PEN

Client Sample ID: MW-25

Lab Sample ID: 400-210919-18

Date Collected: 11/08/21 15:26

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 18:01	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 20:39	KIS	TAL PEN
Total/NA	Analysis	300.0		200			555555	11/12/21 12:48	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 18:42	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:47	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 17:01	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:42	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	556186	11/16/21 18:54	KAK	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-25

Lab Sample ID: 400-210919-18

Date Collected: 11/08/21 15:26

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555785	11/12/21 14:30	VB	TAL PEN

Client Sample ID: MW-26

Lab Sample ID: 400-210919-19

Date Collected: 11/08/21 15:40

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 18:25	HML	TAL PEN
Total/NA	Analysis	300.0		1	10 mL	1.0 mL	555317	11/10/21 21:04	KIS	TAL PEN
Total/NA	Analysis	300.0		200			555555	11/12/21 13:13	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 18:47	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:51	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 17:05	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:44	NET	TAL PEN
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	556186	11/16/21 18:47	KAK	TAL PEN
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555785	11/12/21 14:30	VB	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555317/7

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/10/21 22:19	KIS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555506/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	25 mL	25 mL	555506	11/11/21 10:09	KAK	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555513/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555555/122

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555555	11/12/21 10:19	KIS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555555/6

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555555	11/12/21 03:42	KIS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555556/6

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 03:42	KIS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555560/1-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Total Recoverable	Analysis	6010B		1			555836	11/12/21 13:39	JTW	TAL PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Total Recoverable	Analysis	6010B		1			556028	11/15/21 15:13	JTW	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555578/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 09:00	HML	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555634/14-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Total/NA	Analysis	7470A		1			556032	11/12/21 15:46	NET	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555746/33

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555746	11/12/21 21:36	KIS	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555765/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555765	11/13/21 10:37	SAB	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555785/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	555785	11/12/21 14:30	VB	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555914/1

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	555914	11/15/21 12:53	CAC	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-555981/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	25 mL	25 mL	555981	11/15/21 12:56	KAK	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-556186/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	25 mL	25 mL	556186	11/16/21 16:39	KAK	TAL PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-556499/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	25 mL	25 mL	556499	11/18/21 11:29	KAK	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555317/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/10/21 10:19	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555506/3

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	1000 mL	1000 mL	555506	11/11/21 10:17	KAK	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555513/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555555/117

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555555	11/12/21 08:40	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555556/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 02:52	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555560/2-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Total Recoverable	Analysis	6010B		1			555836	11/12/21 13:54	JTW	TAL PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Total Recoverable	Analysis	6010B		1			556028	11/15/21 15:16	JTW	TAL PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Total Recoverable	Analysis	6010B		1			556890	11/21/21 23:51	SW	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555578/1003

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555578	11/12/21 08:01	HML	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555634/15-A

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Total/NA	Analysis	7470A		1			556032	11/12/21 15:51	NET	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555746/4

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555746	11/12/21 20:46	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555765/1002

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555765	11/13/21 09:37	SAB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555785/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	555785	11/12/21 14:30	VB	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555914/2

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	555914	11/15/21 12:53	CAC	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-555981/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	1000 mL	1000 mL	555981	11/15/21 13:04	KAK	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-556186/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	1000 mL	1000 mL	556186	11/16/21 16:47	KAK	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-556499/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	1000 mL	1000 mL	556499	11/18/21 11:37	KAK	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-555317/6

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/10/21 21:54	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-555555/118

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555555	11/12/21 09:05	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-555556/5

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 03:17	KIS	TAL PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-555746/32

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555746	11/12/21 21:11	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-555317/8

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555317	11/10/21 22:44	KIS	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-555555/123

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555555	11/12/21 10:44	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-555555/7

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555555	11/12/21 04:07	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-555556/7

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555556	11/12/21 04:07	KIS	TAL PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: MRL 400-555746/34

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			555746	11/12/21 22:00	KIS	TAL PEN

Client Sample ID: MW-16

Lab Sample ID: 400-210919-13 MS

Date Collected: 11/08/21 13:40

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	555578	11/12/21 11:01	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 15:17	KIS	TAL PEN
Total/NA	Analysis	300.0		500			555746	11/13/21 05:02	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 17:51	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:04	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:30	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:21	NET	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-16

Lab Sample ID: 400-210919-13 MSD

Date Collected: 11/08/21 13:40

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	5 mL	5 mL	555578	11/12/21 11:25	HML	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 15:41	KIS	TAL PEN
Total/NA	Analysis	300.0		500			555746	11/13/21 05:27	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 17:56	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:08	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:34	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:23	NET	TAL PEN

Client Sample ID: MW-19

Lab Sample ID: 400-210919-15 MS

Date Collected: 11/08/21 14:25

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555765	11/13/21 13:26	SAB	TAL PEN
Total/NA	Analysis	300.0		1			555317	11/10/21 16:56	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555555	11/12/21 17:27	KIS	TAL PEN
Total/NA	Analysis	300.0		500			555746	11/12/21 22:50	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556211	11/16/21 18:12	LDC	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:20	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:46	JTW	TAL PEN
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:31	NET	TAL PEN

Client Sample ID: MW-19

Lab Sample ID: 400-210919-15 MSD

Date Collected: 11/08/21 14:25

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	555765	11/13/21 13:50	SAB	TAL PEN
Total/NA	Analysis	300.0		1			555556	11/12/21 02:03	KIS	TAL PEN
Total/NA	Analysis	300.0		10			555555	11/12/21 17:52	KIS	TAL PEN
Total/NA	Analysis	300.0		500			555746	11/12/21 23:15	KIS	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			555836	11/12/21 15:35	JTW	TAL PEN
Dissolved	Prep	3005A			50 mL	50 mL	555560	11/11/21 17:28	KWN	TAL PEN
Dissolved	Analysis	6010B		1			556028	11/15/21 16:50	JTW	TAL PEN

Eurofins TestAmerica, Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Client Sample ID: MW-19

Lab Sample ID: 400-210919-15 MSD

Date Collected: 11/08/21 14:25

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			40 mL	40 mL	555634	11/12/21 11:09	NET	TAL PEN
Dissolved	Analysis	7470A		1			556032	11/12/21 16:36	NET	TAL PEN

Client Sample ID: DUP-02

Lab Sample ID: 400-210919-3 DU

Date Collected: 11/08/21 16:40

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555506	11/11/21 11:53	KAK	TAL PEN

Client Sample ID: MW-16

Lab Sample ID: 400-210919-13 DU

Date Collected: 11/08/21 13:40

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	10 mL	10 mL	555981	11/15/21 13:38	KAK	TAL PEN

Client Sample ID: 400-210919-D-15 DU

Lab Sample ID: 400-210919-D-15 DU

Date Collected: 11/08/21 14:25

Matrix: Water

Date Received: 11/10/21 09:13

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	1 mL	50 mL	555513	11/11/21 15:27	VB	TAL PEN

Laboratory References:

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

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PEN
300.0	Anions, Ion Chromatography	MCAWW	TAL PEN
6010B	Metals (ICP)	SW846	TAL PEN
7470A	Mercury (CVAA)	SW846	TAL PEN
SM 2320B	Alkalinity	SM	TAL PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PEN
5030B	Purge and Trap	SW846	TAL PEN
7470A	Preparation, Mercury	SW846	TAL PEN

Protocol References:

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

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: San Juan River Plant

Job ID: 400-210919-1

Laboratory: Eurofins TestAmerica, Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-22
ANAB	ISO/IEC 17025	L2471	02-23-23
Arizona	State	AZ0710	01-12-22
Arkansas DEQ	State	88-0689	09-01-22
California	State	2510	06-30-22
Florida	NELAP	E81010	06-30-22
Georgia	State	E81010(FL)	06-30-22
Illinois	NELAP	200041	10-09-22
Iowa	State	367	08-01-22
Kansas	NELAP	E-10253	11-30-21
Kentucky (UST)	State	53	06-30-22
Kentucky (WW)	State	KY98030	12-31-21
Louisiana	NELAP	30976	06-30-22
Louisiana (DW)	State	LA017	12-31-21
Maryland	State	233	09-30-22
Massachusetts	State	M-FL094	06-30-22
Michigan	State	9912	06-30-22
New Jersey	NELAP	FL006	06-30-22
North Carolina (WW/SW)	State	314	12-31-21
Oklahoma	State	9810	08-31-22
Pennsylvania	NELAP	68-00467	01-31-22
Rhode Island	State	LAO00307	12-30-21
South Carolina	State	96026	06-30-22
Tennessee	State	TN02907	06-30-22
Texas	NELAP	T104704286	09-30-22
US Fish & Wildlife	US Federal Programs	058448	07-31-22
USDA	US Federal Programs	P330-21-00056	05-17-24
Virginia	NELAP	460166	06-14-22
Washington	State	C915	05-15-22
West Virginia DEP	State	136	12-31-21

Eurofins TestAmerica, Pensacola

Eurofins I estAmerica, Pensacola

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

Chain of Custody Record

Environment Testing
America

Client Information Client Contact: Steve Varsa Company: Stantec Consulting Services Inc Address: 11311 Aurora Avenue City: Des Moines State: IA, Zip: 50322-7904 Phone: [blank] Email: steve.varsa@stantec.com Project Name: CMI Kinder Morgan San Juan Site: [blank]		Sampler: SAU Lab PM: Edwards, Marty P Phone: 913980281 E-Mail: Marty.Edwards@Eurofins.com PWSID: [blank]		Carrier Tracking No(s): 400-105810-37685.1 State of Origin: [blank]		COC No: 400-105810-37685.1 Page: Page 1 of 5 Job #: [blank]	
Due Date Requested: TAT Requested (days): [blank] Compliance Project: ☐ Yes ☒ No PO #: WD801911 WO #: [blank] Project #: 40012762 SSOW#: [blank]		Analysis Requested 8260B - BTEX 8260 6010B, 7470A 2320B, 2540C, 300_ORGFM_28D, 300_ORGFM5 BTEX - Unscreened 400-210919 COC					
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=sewage, BT=Tissue, AA=Air)		Preservation Code: Field Filtered Sample (Yes or No) Performance S/MSD (Yes or No) Total Number of Containers					
TB-01 DUB-01 DUB-02 W-2 MW-4 MW-6 MW-8 MW-9 MW-11 MW-13 MW-14		11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21 11/8/21		0940 1210 1640 0810 0835 1010 1028 1110 1135 1220 1238		G G G G G G G G G G	
Water Water Water Water Water Water Water Water Water Water		2 2 2 2 2 2 2 2 2 2					
Special Instructions/Note: Trip Blank Blind Dup Blind Dup / / / / / /		Special Instructions/Note: / / / / / / / /					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological Deliverable Requested: I, II, IV, Other (specify)							
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: <i>★ removed HCL from VIALs</i>							
Relinquished by: [Signature] Relinquished by: [Signature] Relinquished by: [Signature]		Date: 11/8/21 1640 Date: [blank] Date: [blank]		Company: [blank] Company: [blank] Company: [blank]		Date/Time: [blank] Date/Time: [blank] Date/Time: [blank]	
Custody Seals Intact: ☐ Yes ☒ No Custody Seal No.: [blank]		Cooler Temperature(s) °C and Other Remarks: 3-3, 8.3, 0.0°C 1P2					

Ver: 06/08/2021

Client Information						Lab PM: Edwards, Marty P		Carrier Tracking No(s)		COC No: 400-105810-37685.2	
Client Contact: Steve Varsa						E-Mail: Marty.Edwards@Eurofinset.com		State of Origin:		Page: Page 2 of 5	
Company: Stantec Consulting Services Inc						PWSID:				Job #:	
Address: 111311 Aurora Avenue City: Des Moines State, Zip: IA, 50322-7904 Phone: Email: steve.varsa@stantec.com Project Name: CMI Kinder Morgan San Juan Site:						Analysis Requested					
Due Date Requested:						Field Filtered Sample (Yes or No)					
TAT Requested (days):						Preservation Codes:					
Compliance Project: Δ Yes Δ No						A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO ₄ F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Z - other (specify) Other:					
PO #: WD801911						Total Number of Containers					
WG #: 40012762						MS MSD					
SSOW#:						MS MSD					
Sample Identification						Special Instructions/Note:					
MW-15						1					
MW-16						MS MSD					
MW-18						1					
MW-19						MS MSD					
MW-22						low Vol					
MW-24						1					
MW-25						1					
MW-26						1					
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					
Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological						Return To Client Disposal By Lab Archive For Months					
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:					
Empty Kit Relinquished by:						Method of Shipment:					
Relinquished by: Ann N Cor						Received by: Company					
Relinquished by:						Date/Time: Company					
Relinquished by:						Date/Time: Company					
Custody Seals Intact: Δ Yes Δ No						Cooler Temperature(s) °C and Other Remarks:					

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-210919-1

Login Number: 210919

List Source: Eurofins TestAmerica, Pensacola

List Number: 1

Creator: Whitley, Adrian

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3, 3.3, 0.0°C IR9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 94601

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 94601
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Accepted for the record. See app ID 123175 for most updated status.	10/19/2022