

REVIEWED

By Mike Buchanan at 10:31 am, Jun 28, 2024



Review of the 2023 Annual Groundwater Monitoring Report for the San Juan River Gas Plant: content satisfactory

1. Continue conducting groundwater monitoring events as planned, on an annual basis for the 4th quarter of 2024.
2. Continue to manually bail and remove LNAPL as possible.
3. Submit the 2024 Annual Report by April 1, 2025.

2023 ANNUAL GROUNDWATER MONITORING REPORT

San Juan River Gas Plant
Kirtland, New Mexico

NMOCD Incident No.
NAUTOFRM000157

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Abbreviations

bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene, and total xylenes
EPA	United States Environmental Protection Agency
EPNG	El Paso Natural Gas Company, LLC
LNAPL	light non-aqueous phase liquid
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
NMED	New Mexico Environment Department
NMOCD	New Mexico Oil Conservation Division
NMOSE	New Mexico Office of the State Engineer
NMWQCC	New Mexico Water Quality Control Commission
QC	quality control

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1.0 INTRODUCTION

This Annual Groundwater Monitoring Report (Report) has been prepared on behalf of El Paso Natural Gas Company, LLC (EPNG) to present the results of the 2023 groundwater monitoring and monitoring well installation activities at the San Juan River Gas Plant (SJRP, the Site). The Report also documents quarterly light non-aqueous phase liquid (LNAPL) recovery activities.

The Site is currently regulated by the New Mexico Oil Conservation Division (NMOCD) and is located at 99 Road 6500, Kirtland, San Juan County, New Mexico. The site location is shown in Figure 1 and the site plan is shown in Figure 2. The Site activities were 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 Incident Number NAUTOFRM000157, formerly 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 formerly 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), ceased in 2022, coinciding with a planned shutdown of coal combustion activities at the Station in 2023.

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

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investigate and remediate soil and groundwater contamination caused by these pits. In response, multiple investigations and removal actions have been completed at the SJRP:

- 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 (W-2 and MW-4) were upgraded, and 5 new wells (MW-5, MW-6, MW-7, MW-8, and MW-9) were installed. 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 located in the northwestern portion of the SJRP facility.
- During January 2001, EPNG submitted to NMOCD a groundwater remediation work plan 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

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(NMWQCC) standards, the air sparging system was shut down in February 2004 to assess static groundwater conditions at the Site.

- 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 investigation was 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 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 Oxygen Release Compound (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 and 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, was 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.
- In August 2020, a stepped mobile dual-phase extraction (MDPE) event was conducted on monitoring well MW-20 where LNAPL is present, to assess its recoverability and potential source. The results of this activity were summarized in the 2020 Annual Groundwater Monitoring Report.
- In July 2021, three monitoring wells, MW-24 through MW-26, were installed east of monitoring well MW-20 to evaluate potential hydrocarbon source areas in this direction. The monitoring well installation activities and results were summarized in the 2021 Annual Groundwater Monitoring Report.
- In April and July 2022, additional subsurface investigation activities were performed, including installation of monitoring wells MW-27 and MW-28, and groundwater monitoring was performed in May, October, and November. LNAPL recovery activities were completed in March, April, May, July, and October. These activities and results were summarized in the 2022 Annual Groundwater Monitoring 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 Groundwater Monitoring 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

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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 (Jacobs, 2020), alluvium consisting of silt and clay was encountered and varied in thickness from 10 feet to as 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

Activities completed in 2023 included groundwater sampling in November, LNAPL recovery in March, May, August and November, and monitoring well installation activities which were initiated in July 2023, and completed in October 2023. Email notifications were provided to the NMOCD prior to the start of field work. Copies of the notifications are included in Appendix A.

The following sections summarize the 2023 site activities.

3.1 DEPTH TO WATER MEASUREMENTS

Site-wide well gauging activities were conducted on November 7, 2023. Well gauging was completed using an oil-water interface probe, and the depth to water and depth to LNAPL, as applicable, were measured at each monitoring well that was accessed.

3.2 LNAPL RECOVERY

Quarterly LNAPL recovery activities were performed in March, May, August, and November 2023. The LNAPL recovery data is summarized on Table 1. Recovered LNAPL and water was transported to the Envirotech Inc. (Envirotech) Landfarm, located south of Bloomfield, New Mexico, for disposal. Associated wastewater disposal documentation is included in Appendix B.

3.3 GROUNDWATER SAMPLING

Following the collection of well gauging data on November 7, 2023, groundwater samples were collected from monitoring wells where no measurable LNAPL was present and a water column sufficient for the collection of groundwater samples was present. Groundwater samples were collected using HydraSleeve™ no-purge samplers and as noted below. During the November event, monitoring wells W-2, MW-4, MW-6, MW-9, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16, MW-17, MW-18, MW-19, MW-24, MW-25, MW-26, MW-27, MW-28, and MW-30 were sampled.

In addition to being sampled using Hydrasleeves, monitoring wells W-2, MW-6, MW-16, and MW-26 were also sampled using bladder pumps pursuant to United States Environmental Protection Agency low-flow techniques to help evaluate whether HydraSleeves™ provide representative data. A comparison of the reported laboratory results for the samples collected using the two methods concluded the two sample methods yield comparable water quality results. Laboratory reports are included in Appendix H.

Collected groundwater samples were placed into laboratory-supplied sample containers, sealed, labeled, packed on ice, and shipped under chain-of-custody protocols to Eurofins Environment Testing Southeast, in Pensacola, Florida (Eurofins). One laboratory-originated trip blank, two field duplicate samples, and one matrix spike/matrix spike duplicate (MSMSD) sample were also collected during the event and submitted for analysis. Groundwater samples were analyzed for BTEX using Method 8260D, dissolved metals using Method 6010D, dissolved mercury using Method 7470A, alkalinity using

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Method SM 2320B; chloride, sulfate, and nitrate using Method 300.0, and total dissolved solids (TDS) using Method 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 November groundwater sampling event was containerized and transported to Envirotech's Landfarm for disposal. Associated wastewater disposal documentation is included in Appendix B.

3.4 MONITORING WELL AND SOIL BORING INSTALLATION ACTIVITIES

Pursuant to the work plan dated July 18, 2023, Stantec oversaw the installation of two additional monitoring wells (MW-29 and MW-30). Monitoring well MW-29 was installed to better assess hydrocarbons reported in the vicinity of former Praxair wells PMW-3 and PMW-5. MW-30 was installed south of Former Pond #2 and along the eastern property boundary of the Site in an area anticipated to be in the up-gradient direction from former operations at the Site, in order to provide another sampling point to assess water quality data representative of background conditions.

The NMOCD was notified of the initiating of monitoring well installation activities as documented in Appendix A. Prior to mobilization, a New Mexico Office of the State Engineer (NMOSE) well permit was obtained on July 12, 2023, to install monitoring wells MW-29 and MW-30. The well permit is included in Appendix D. The monitoring well locations were staked by Stantec prior to completing New Mexico 811 utility locate requests for the work areas (both drilling events). Prior to advancing drill tooling, each monitoring well location was cleared to a depth of 10 feet bgs via hydro-excavation methods.

Cascade Drilling (Cascade) mobilized a truck-mounted, rotosonic drill rig to the Site to advance and installed monitoring wells MW-29 and MW-30. Monitoring well MW-29 was advanced and installed on July 29, 2023. However, the following day the monitoring well casing was noted to have been compromised, and the monitoring well was plugged and abandoned pursuant to the existing Plan of Abandonment for the Site, and the crew demobilized from the Site. The abandoned MW-29 location was subsequently designated SB-29. A copy of the borehole abandonment log is included as Appendix E. The re-installation of monitoring MW-59 and the advancement and installation of MW-30 were completed in October 2023.

During both the July and October drilling events, soil cores were collected continuously to the termination depth of the wells using a 10-foot-long core barrel. The cores were then placed into plastic bags in 2-foot-long segments. The soil was logged for lithology using Unified Soil Classification System (USCS) soil descriptions. The logging included a detailed description of each discrete lithologic unit, the field-apparent moisture content, and evidence of hydrocarbons including observed soil staining, and odors. The soil was directly field screened at one-foot intervals along the entire length of each recovered core segment using a pre-calibrated photo-ionization detector (PID). Portions of the recovered soil were also placed into sealable plastic bags for headspace screening with the PID. The field screening data, in addition to visual and olfactory observations, aided in identifying soil samples to be retained for laboratory analysis.

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Monitoring wells MW-29 and MW-30 were constructed with 30 and 35 feet of four (4)-inch diameter, schedule 40, 0.010-slot PVC screen and four (4)-inch diameter, schedule 40 PVC riser casing, respectively. The annular space adjacent to the well screens was filled with 20-40 silica sand from the bottom of the borehole to at least three (3) feet above the top of the screens. At least seven (7) feet of hydrated bentonite chips were placed above the silica sand to prevent downward migration of surface water. At MW-29, bentonite grout was placed above the bentonite chips to eight (8) feet bgs, followed by additional bentonite chips to four (4) feet bgs. At MW-30, bentonite grout was placed above the bentonite chips to four (4) feet bgs. Each well was installed as an above-grade completion with a protective lockable cover, lockable well cap, and protected by bumper posts. The bumper posts and protective completions were painted safety yellow, and the unique monitoring well identification was stenciled onto each completion. Copies of the NMOSE well completion forms are included as Appendix F. The soil boring and monitoring well construction logs are included in Appendix G.

Following installation, the monitoring wells were developed by hand bailing until sediment was removed and visibly clear water was observed, or until the wells went dry. After development, a HydraSleeve™ sampler and tether was installed in each monitoring well to facilitate future groundwater sampling. The locations and elevations of the newly installed monitoring wells and soil boring SB-29 were surveyed by Souder, Miller, & Associates, a New Mexico-licensed surveyor.

Well development and decontamination water was containerized in a temporary storage tank pending removal and disposal off-site. Upon completion of drilling activities, hydro-vacuumed soil, soil cuttings, decontamination solids and water, and well development water were transported to the Envirotech landfarm, located south of Bloomfield, New Mexico, for disposal. Associated disposal documentation is included in Appendix B.

3.5 SOIL SAMPLING

Soil samples were retained from selected intervals of the soil cores where suspected hydrocarbons were observed, as defined by elevated field screening or headspace readings, staining and/or odors, and/or from the interval immediately above the field-interpreted water table. Retained soil samples were placed in laboratory-provided four-ounce glass jars, sealed, labeled, and placed on ice until shipped in ice-filled coolers under standard chain-of-custody protocol to Eurofins. The soil samples were submitted to the laboratory for the analysis of BTEX by EPA Method 8260D, total petroleum hydrocarbons (TPH) as gasoline-range organics, diesel-range organics, and oil-range organics by EPA Method 8015C; chlorides by EPA Method 300.0, and metals by EPA Method 6010D and 7471B.

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4.0 RESULTS AND DISCUSSION

4.1 GROUNDWATER ELEVATION AND GRADIENT

Groundwater elevation data collected on November 7th, 2023 is summarized in Table 2. Groundwater flow onto the Site is generally westward, with flow in the southwest direction south of the Praxair Plant, and 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 for November 7th, 2023 is included as Figure 3.

4.2 GROUNDWATER ANALYTICAL RESULTS

Tables 3 and 4 summarize the November 2023 and historical groundwater BTEX and TPH analytical results and dissolved metals and inorganics results, respectively. Figures 4, 5 and 6 depict the BTEX, dissolved metals, and inorganics concentrations respectively, that exceeded NMWQCC standards during the November sampling event. The groundwater laboratory analytical reports are included in Appendix H. The following is a summary of findings based on field observations and the November 2023 groundwater analytical results:

- LNAPL was observed in monitoring wells MW-12, MW-20, and MW-21 in March, in MW-21 in May, in MW-20 and MW-21 in August, and in MW-20, MW-21, and MW-29 in November following the groundwater sampling event.
- Groundwater samples collected from monitoring wells MW-13, MW-15, MW-16, MW-17, and MW-28 exceeded the NMWQCC standard (0.01 milligrams per liter [mg/L]) for benzene. Benzene concentrations were either below the standard or not detected in the remaining monitoring wells sampled in 2023.
- The groundwater sample collected from MW-17 exceeded the NMWQCC standard (0.75 mg/L) for toluene. Concentrations of toluene were either below the standard or not detected in the remaining monitoring wells sampled in 2023.
- Concentrations of ethylbenzene were either below the NMWQCC standard (0.75 mg/L) or not detected in the monitoring wells sampled in 2023.
- Groundwater samples collected from MW-16, MW-17, and MW-28 exceeded the NMWQCC standard (0.62 mg/L) for total xylenes. Total xylene concentrations were either below the standard or not detected in the remaining monitoring wells sampled in 2023.
- Due to an insufficient amount of water in the wells, analyses for dissolved metals were not conducted on groundwater samples collected from monitoring wells MW-14 and MW-17. Dissolved metal concentrations that equaled or exceeded an NMWQCC standard in 2023 include those for: aluminum (MW-6 and MW-9 [NMWQCC standard of 5 mg/L]); arsenic (MW-13, MW-15, MW-16, and MW-28 [NMWQCC standard of 0.01 mg/L]); boron (W-2, MW-4, MW-6, MW-9, MW-15, MW-18, MW-19, MW-24, MW-26 through MW-28 [NMWQCC standard of 0.75 mg/L]); cobalt (MW-4, MW-6, MW-9, MW-18, and MW-19 [NMWQCC standard of 0.05 mg/L]); iron (MW-9, MW-12, MW-13, MW-15, MW-18, and MW-26 [NMWQCC standard of 1 mg/L]); manganese (all sampled wells except W-2, MW-16, and MW-28 [NMWQCC standard of 0.2 mg/L]); nickel (MW-6, MW-9, and MW-18

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[NMWQCC standard of 0.2 mg/L]); and selenium (MW-6, MW-12, MW-13, MW-16, MW-28, and MW-30 [NMWQCC standard of 0.05 mg/L]).

- Inorganic constituent concentrations that exceeded an NMWQCC standard in 2023 include those for: chloride (all sampled wells except W-2, MW-14 and MW-19 [NMWQCC standard of 250 mg/L]); nitrate (W2, MW-6, and MW-30) [NMWQCC standard of 10 mg/L]; sulfate (all sampled wells [NMWQCC standard of 600 mg/L]); and TDS (all sampled wells [NMWQCC standard of 1,000 mg/L]).

Field duplicates were collected from monitoring wells MW-15 and MW-16 during the November 2023 sampling event. No significant differences existed between the primary and the duplicate samples. Detectable concentrations of BTEX constituents were not reported in the trip blanks submitted for analysis during the sampling event.

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

4.3 SOIL ANALYTICAL RESULTS

Table 5 summarizes the July and October 2023 soil analytical results and Figure 7 depicts the analyte concentrations. The soil laboratory analytical reports are included in Appendix I. The following is a summary of the soil analytical results:

- Benzene was not detected in any of the seven soil samples collected.
- The total BTEX concentrations for three soil samples (MW-29 at 28 and 34 feet bgs, and MW-30 at 16 feet bgs) were below the applicable NMOCD standard (50 milligrams per kilogram [mg/kg]). Total BTEX constituents in the remaining four soil samples were not detected.
- Two soil samples (MW-29 at 28 feet bgs and 34 feet bgs) exceeded the NMOCD standard (100 mg/kg) for TPH. TPH concentrations in the remaining five soil samples were either below the TPH standard or not detected.
- Though detected in each of the seven soil samples submitted, no samples exceeded the applicable NMOCD standard for chloride (600 mg/kg).

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5.0 PLANNED FUTURE ACTIVITIES

Annual groundwater monitoring is planned for the fourth calendar quarter of 2024. Groundwater samples will be collected from site monitoring wells not containing LNAPL. If encountered while on-site, LNAPL will be hand bailed and recovered and the fluids will be transported to Envirotech's land farm for disposal.

Monitoring for LNAPL will continue on a quarterly basis in 2024. If encountered, LNAPL will be hand bailed and recovered.

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

2023 ANNUAL GROUNDWATER MONITORING REPORT**6.0 REFERENCES**

El Paso Natural Gas (EPNG). Phased Workplan to Address Petroleum Contamination at the Praxair Nitrogen Plant near EPNG's formerly owned San Juan River Gas Plant. Letter from Scott T Pope, PM to Glenn von Gonten, NMOCD. September 30, 2005.

Jacobs Engineering Group Inc. (Jacobs). Phase 2 Site Characterization Work Plan, San Juan River Gas Plant, Kirtland, San Juan County, New Mexico. January 2019.

Jacobs Engineering Group Inc. 2019 Annual Groundwater Monitoring Report, San Juan River Gas Plant, Kirtland, New Mexico. March 2020.

Jacobs Engineering Group Inc. Site Characterization Report, San Juan River Gas Plant, Kirtland, New Mexico. November 2020.

K.W. Brown & Associates. Final Closure Plan for Wastewater Impoundments and Flare Pits and El Paso Natural Gas Company's San Juan River Plant. April 1991.

Montgomery Watson Harza (MWH). Proposed Work Plan for Additional Phase I Investigation of Potential Hydrocarbon Impacts as Part of a Stage I Abatement Plan at the San Juan River Gas Plant, San Juan River Basin, New Mexico. September 2006.

Montgomery Watson Harza. 2011 Annual Report San Juan River Plant. March 2012

New Mexico Environment Department (NMED). 2008. Ground Water Discharge Permit Renewal Praxair Inc. – Kirtland Facility, DP-1422.

New Mexico Oil Conservation Division (NMOCD). Guidelines for Remediation of Leaks, Spills and Releases. August 1993.

Philip Environmental. Summary of Investigations at the San Juan River Gas Plant, Kirtland, New Mexico. Prepared for El Paso Natural Gas Company, Farmington, New Mexico. June 1998.

Stantec Consulting Services, Inc. 2020 Annual Groundwater Monitoring Report, San Juan River Plant, Kirtland, New Mexico. April 2021

Stantec Consulting Services, Inc. 2021 Annual Groundwater Monitoring Report, San Juan River Plant, Kirtland, New Mexico. March 2022.

Stantec Consulting Services, Inc. 2022 Annual Groundwater Monitoring Report, San Juan River Plant, Kirtland, New Mexico. March 2023.

Stantec Consulting Services, Inc. 2023 Monitoring Well Installation Work Plan, San Juan River Plant, Kirtland, New Mexico. July 2023.

TABLES

Table 1
Light Non-Aqueous Phase Liquid Recovery Summary
San Juan River Gas Plant

Well ID - MW-12	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
11/8/2021	20.35	20.36	0.01	<0.01	0.16	Manual
7/27/2022	20.36	20.37	0.01	<0.01	0.1	Manual
3/27/2023	19.10	19.11	0.01	<0.01	0.16	Manual
			Total:	0.00	0.26	
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	38.70	40.02	1.30	N/A	N/A	N/A
4/15/2019	34.30	35.47	1.20	N/A	N/A	N/A
10/14/2019	26.50	26.71	0.20	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
3/22/2022	26.56	26.60	0.04	<0.01	0.05	Manual
4/4/2022	26.52	26.55	0.03	<0.01	0.13	Manual
5/17/2022	26.60	26.63	0.03	0.01	0.31	Manual
7/28/2022	26.80	26.83	0.03	<0.01	0.10	Manual
10/30/2022	26.38	26.40	0.02	<0.01	0.18	Manual
3/27/2023	26.19	26.21	0.02	<0.01	0.21	Manual
8/28/2023	26.85	26.88	0.03	<0.01	0.33	Manual
11/9/2023	26.92	26.93	0.01	<0.01	0.15	Manual
			Total:	1.36	27.18	
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
3/22/2022	28.45	28.49	0.04	<0.01	0.03	Manual
4/4/2022	28.57	28.6	0.03	<0.01	0.18	Manual
5/17/2022	28.41	28.44	0.03	<0.01	0.16	Manual
7/27/2022	28.51	28.54	0.03	<0.01	0.14	Manual
10/30/2022	28.60	28.64	0.04	<0.01	0.16	Manual
3/27/2023	28.23	28.25	0.02	<0.01	0.05	Manual
5/17/2023	28.10	28.13	0.03	<0.01	0.29	Manual
8/28/2023	28.33	28.37	0.04	<0.01	0.52	Manual

Table 1
Light Non-Aqueous Phase Liquid Recovery Summary
San Juan River Gas Plant

Well ID - MW-21 (contd.)	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
11/9/2023	28.61	28.64	0.03	0.02	0.41	Manual
			Total:	0.03	2.21	
Well ID - MW-28	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
8/1/2022	60.84	60.87	0.03	<0.01	1.50	Manual
			Total:	0.00	1.50	
Well ID - MW-29	Depth to LNAPL (Feet)	Depth to Water (Feet)	Measured Thickness (Feet)	LNAPL Recovered (gal)	Water Recovered (gal)	Recovery Type
Date						
11/9/2023	37.46	37.47	0.01	<0.01	0.15	Manual
			Total:	0.00	0.15	

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 are documented in previously-submitted reports.

Table 2
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

MonitoriNM 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
		10/14/2019	ND	54.74	5229.69
		11/15/2020	ND	52.97	5231.46
		11/08/2021	ND	53.60	5230.83
MW-4	5286.88	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
		5/17/2022	ND	54.09	5232.79
		10/30/2022	ND	53.59	5233.29
		11/07/2023	ND	54.52	5232.36

Table 2
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

MonitoriNM 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
		8/10/2006	NA	NA	NA
		8/23/2007	ND	14.42	5243.02
Well destroyed prior to May 2008					
MW-6	5308.71	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
		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
		11/15/2020	ND	33.03	5275.68
		11/08/2021	ND	33.19	5275.52
		5/17/2022	ND	33.13	5275.58
10/30/2022	ND	33.22	5275.49		
11/07/2023	ND	33.29	5275.42		
MW-7	5293.13	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
		8/24/2005	ND	19.48	5273.65
		10/08/2006	ND	20.33	5272.80
Well plugged in May 2007					

Table 2
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

MonitoriNM 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

Table 2
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 (cont.)	5262.72	11/15/2020	ND	19.47	5243.25
		11/08/2021	ND	20.10	5242.62
		5/17/2022	ND	20.50	5242.22
		10/30/2022	ND	20.69	5242.03
		11/07/2023	ND	22.25	5240.47
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
		2/7/2011	ND	15.17	5249.09
		5/16/2011	ND	14.75	5249.51
		8/31/2011	ND	14.46	5249.80

Table 2
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 (cont.)	5264.26	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
		10/14/2019	ND	10.20	5254.06
		11/15/2020	ND	10.26	5254.00
		11/08/2021	ND	9.95	5254.31
		5/17/2022	ND	9.41	5254.85
		10/30/2022	ND	9.38	5254.88
MW-11	5290.46	11/07/2023	ND	9.61	5254.65
		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
		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
		5/17/2022	ND	25.29	5265.17
MW-12	5282.8	10/30/2022	ND	25.00	5265.46
		11/07/2023	ND	26.62	5263.84
		7/05/2017	ND	20.62	5262.18
		11/16/2017	ND	19.53	5263.27
		1/28/2018	ND	19.21	5263.59
		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	20.35	20.36	5262.45
		3/22/2022	ND	19.20	5263.60
		4/04/2022	ND	19.10	5263.70
		5/17/2022	ND	19.31	5263.49
		10/30/2022	ND	19.39	5263.41
MW-13	5279.31	3/27/2023	19.10	19.11	5263.70
		5/17/2023	ND	19.28	5263.52
		8/28/2023	ND	20.64	5262.16
		11/07/2023	ND	20.65	5262.15
		7/05/2017	ND	23.35	5255.96
		11/16/2017	ND	21.17	5258.14
		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
		5/17/2022	ND	20.98	5258.33
		10/30/2022	ND	20.90	5258.41
		11/07/2023	ND	21.24	5258.07

Table 2
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-14	5270.58	7/05/2017	ND	10.65	5259.93
		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
		11/08/2021	ND	8.78	5261.80
		5/17/2022	ND	8.46	5262.12
		10/30/2022	ND	7.96	5262.62
MW-15	5273.45	11/07/2023	ND	9.22	5261.36
		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
		11/08/2021	ND	26.48	5246.97
		5/17/2022	ND	26.03	5247.42
MW-16	5265.34	10/30/2022	ND	26.39	5247.06
		11/07/2023	ND	19.18	5254.27
		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
		11/15/2020	ND	23.00	5242.34
		11/08/2021	ND	22.92	5242.42
MW-17	5263.95	5/17/2022	ND	22.89	5242.45
		10/30/2022	ND	22.87	5242.47
		11/07/2023	ND	22.87	5242.47
		3/11/2019	ND	27.56	5236.39
		4/15/2019	ND	27.60	5236.35
		10/14/2019	ND	27.70	5236.25
		11/15/2020	ND	Dry @ 28.37 feet	NA
		11/08/2021	ND	Dry @ 28.34 feet	NA
MW-18	5269.08	5/17/2022	ND	Dry @ 28.33 feet	NA
		10/30/2022	ND	28.36	5235.59
		11/07/2023	ND	27.15	5236.80
		3/11/2019	ND	13.55	5255.53
		4/15/2019	ND	13.39	5255.69
		10/14/2019	ND	13.76	5255.32
		11/15/2020	ND	13.50	5255.58
		11/08/2021	ND	13.16	5255.92
MW-19	5278.94	5/17/2022	ND	12.72	5256.36
		10/30/2022	ND	13.70	5255.38
		11/07/2023	ND	13.00	5256.08
		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
		5/17/2022	ND	13.76	5265.18
		10/30/2022	ND	13.20	5265.74
		11/07/2023	ND	15.12	5263.82

Table 2
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-20	5292.23	3/11/2019	38.7	40.02	5253.20
		4/15/2019	34.3	35.47	5257.64
		10/14/2019	26.5	26.71	5265.68
		8/20/2020	26.98	28.16	5264.96
		11/15/2020	27.72	28.51	5264.31
		3/17/2021	24.37	24.50	5267.83
		5/20/2021	27.00	27.08	5265.21
		8/29/2021	27.37	27.41	5264.85
		11/08/2021	27.19	27.23	5265.03
		3/22/2022	26.56	26.60	5265.66
		4/04/2022	26.52	26.55	5265.70
		5/17/2022	26.60	26.63	5265.62
		10/30/2022	26.38	26.40	5265.85
		3/27/2023	26.19	26.21	5266.04
		5/17/2023	26.35	26.35	5265.88
		8/28/2023	26.85	26.88	5265.37
MW-21	5276.06	11/07/2023	ND	26.92	5265.31
		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
		3/22/2022	28.45	28.49	5247.60
		4/04/2022	28.57	28.60	5247.48
		5/17/2022	28.41	28.44	5247.64
		10/30/2022	28.60	28.64	5247.45
		3/27/2023	28.23	28.25	5247.83
MW-22	5269.13	5/17/2023	28.10	28.13	5247.95
		8/28/2023	28.33	28.37	5247.72
		11/07/2023	28.61	28.64	5247.44
		3/11/2019	Dry	Dry	NA
		4/15/2019	ND	37.24	5231.89
		10/14/2019	Dry	Dry	NA
		8/20/2020	Dry	Dry	NA
		11/15/2020	ND	36.68	5232.45
MW-23	5287.76	11/08/2021	ND	36.49	5232.64
		5/17/2022	ND	37.02	5232.11
		10/30/2022	ND	37.06	5232.07
		11/07/2023	ND	37.05	5232.08
		3/11/2019	ND	57.91	5229.85
		4/15/2019	ND	58.05	5229.71
		10/14/2019	ND	Dry	NA
		8/20/2020	Dry	Dry	NA
MW-24	5290.19	11/15/2020	ND	Dry @ 61 feet	NA
		11/08/2021	ND	Dry @ ~61 feet	NA
		5/17/2022	ND	Dry @ 57.81 feet	NA
		10/30/2022	ND	Dry @ 60.50 feet	NA
		11/07/2023	ND	Dry @ 57.9 feet	NA
		8/29/2021	ND	21.42	5268.77
MW-25	5288.45	11/08/2021	ND	20.80	5269.39
		5/17/2022	ND	20.50	5269.69
		10/30/2022	ND	19.52	5270.67
		11/07/2023	ND	23.12	5267.07
		8/29/2021	ND	43.07	5245.38
MW-25	5288.45	11/08/2021	ND	21.03	5267.42
		5/17/2022	ND	20.50	5267.95
		10/30/2022	ND	19.64	5268.81
		11/07/2023	ND	22.37	5266.08

Table 2
Groundwater Elevation Data Summary
San Juan River Gas Plant, Kirtland, New Mexico

MonitoriNM 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
		5/17/2022	ND	30.26	5265.72
		10/30/2022	ND	29.80	5266.18
		11/07/2023	ND	29.87	5266.11
MW-27	5304.67	8/01/2022	ND	60.95	5243.72
		10/30/2022	ND	56.37	5248.30
		11/07/2023	ND	44.73	5259.94
MW-28	5297.55	8/01/2022	60.84	60.87	5236.70
		10/30/2022	ND	40.78	5256.77
		3/27/2023	ND	34.07	5263.48
		5/17/2023	ND	34.11	5263.44
		8/28/2023	ND	34.22	5263.33
		11/07/2023	ND	34.77	5262.78
MW-29	5285.78	10/21/2023	ND	53.89	5231.89
MW-30	5317.94	11/07/2023	ND	36.49	5249.29
		10/21/2023	ND	48.54	5269.40
PMW-1a	5298.09	11/07/2023	ND	38.98	5278.96
		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
		5/17/2022	NM	NM	NM
		10/30/2022	NM	NM	NM
PMW-2	5298.14	11/07/2023	NM	NM	NM
		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
		11/15/2020	NM	NM	NM
		5/17/2022	NM	NM	NM
		10/30/2022	NM	NM	NM
PMW-4a	5287.86	11/07/2023	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
		5/17/2022	NM	NM	NM
		10/30/2022	NM	NM	NM

Notes:

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.

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

Table 3
Groundwater BTEX and TPH 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	W-2+8:33	<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	--	--	--
MW-4	5/19/2022	<0.00013	0.00041 J	<0.00050	<0.0016	--	--	--
	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--
	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	--	--	--
MW-6	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	--	--	--
	5/19/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
MW-6	11/08/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--
	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	--	--	--

Table 3
Groundwater BTEX and TPH 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 (contd.)	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	--	--	--
MW-8	5/19/2022	<0.00013	0.00051 J	<0.00050	<0.0016	--	--	--
	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--
	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 3
Groundwater BTEX and TPH 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	--	--	--
MW-9	11/16/2020	<0.00038	<0.00041	<0.00050	<0.0016	--	--	--
	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	5/19/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	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	--	--	--

Table 3
Groundwater BTEX and TPH 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 (contd.)	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	--	--	--
	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	--	--	--
	5/19/2022	0.025	0.00042 J	0.021	0.0038 J	--	--	--
	5/19/2022 (Dup-01)	0.024	<0.00041	0.021	0.0038 J	--	--	--
	10/31/2022	0.056	<0.00041	0.031	0.0046 J	--	--	--
	10/31/2022 (Dup-01)	0.053	<0.00041	0.026	0.0036 J	--	--	--
	11/09/2023	0.0032	0.0048	<0.00090	<0.0016	--	--	--
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	--	--	--
	5/19/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/09/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--

Table 3
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Monitoring Well	Sample Date	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Total Xylenes (mg/L)	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-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	LNAPL in well, no sample collected						
	5/19/2022	<0.00013	0.00046 J	<0.00050	<0.0016	--	--	--
	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/09/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--
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	--	--	--
	5/19/2022	2.4	0.0054 J	0.028	<0.016	--	--	--
	10/31/2022	1.0	<0.0021	0.018	<0.0080	--	--	--
	11/09/2023	1.6	<0.0090	<0.0050	<0.016	--	--	--
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	--	--	--
	5/19/2022	<0.00013	0.00056 J	<0.00050	<0.0016	--	--	--
	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/09/2023	<0.00050	<0.00090	<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	--	--	--
	5/19/2022	0.27	<0.00082	0.012	<0.0032	--	--	--
	10/31/2022	0.015	<0.00041	0.010	<0.0016	--	--	--
	11/09/2023	0.24	<0.0018	<0.0010	0.040	--	--	--
	11/09/2023 (Dup-02)	0.55	<0.0045	<0.0025	0.065	--	--	--
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	--	--	--
	11/08/2021	0.56	0.0047 J	0.32	1.4 F1UJ	--	--	--
	5/19/2022	0.44	<0.0021	0.26	0.97	--	--	--
	5/19/22 (Dup-02)	0.44	<0.0021	0.27	0.99	--	--	--
	11/01/2022	0.42	<0.0021	0.26	1.0	--	--	--
	11/01/22 (Dup-02)	0.39	<0.0021	0.26	1.0	--	--	--
	11/08/2023	0.28	<0.0045	0.19	0.96	--	--	--
	11/08/2023 (Dup-01)	0.29	<0.0045	0.19	0.96	--	--	--

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NMWQCC Standard (mg/L):		0.01	0.75	0.75	0.62	NE	NE	NE
MW-17	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						
	11/08/2021	Insufficient water in well, no sample collected						
	5/19/2022	Insufficient water in well, no sample collected						
	10/31/2022	4.1	3.0	<0.013	3.3	--	--	--
	11/08/2023	4.8	1.6	0.048	2.9	--	--	--
MW-18	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	--	--	--
	11/08/2021	0.00024 J	<0.00041	<0.00050	<0.0016	--	--	--
	5/19/2022	<0.00013	0.00050 J	<0.00050	<0.0016	--	--	--
	10/31/2022	0.00037 J	<0.00041	<0.00050	<0.0016	--	--	--
	11/09/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--
MW-19	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	--	--	--
	5/19/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/01/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/09/2023	<0.00050	<0.00050	<0.00090	<0.0016	--	--	--
MW-20	3/12/2019	LNAPL in well, no sample collected						
	10/15/2019	LNAPL in well, no sample collected						
	11/16/2020	LNAPL in well, no sample collected						
	11/08/2021	LNAPL in well, no sample collected						
	5/19/2022	LNAPL in well, no sample collected						
	11/01/2022	LNAPL in well, no sample collected						
MW-21	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	--	--	--
	11/08/2021	LNAPL in well, no sample collected						
	5/19/2022	LNAPL in well, no sample collected						
	11/01/2022	LNAPL in well, no sample collected						
MW-22	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	--	--	--
	11/08/2021	0.00074 J	<0.00041	0.0044	<0.0016	--	--	--
	5/19/2022	<0.00013	0.00042 J	<0.00050	<0.0016	--	--	--
	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
MW-23	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						
	11/08/2021	Insufficient water in well, no sample collected						
	5/19/2022	Insufficient water in well, no sample collected						
	10/31/2022	Insufficient water in well, no sample collected						
MW-24	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	5/19/2022	0.00036 J	0.00048 J	<0.00050	<0.0016	--	--	--
	11/01/2022	0.00079 J	<0.00041	<0.00050	<0.0016	--	--	--
	11/09/2023	0.00058 J	<0.00090	<0.00050	<0.0016	--	--	--
MW-25	11/08/2021	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	5/19/2022	0.00023 J	0.00048 J	<0.00050	<0.0016	--	--	--
	11/01/2022	0.0015	<0.00041	0.00071 J	0.0018 J	--	--	--
	11/09/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--

Table 3
Groundwater BTEX and TPH 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-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	--	--	--
	5/19/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/01/2022	0.0032	<0.00041	<0.00050	<0.0016	--	--	--
	11/09/2023	0.0036	<0.00090	<0.00050	<0.0016	--	--	--
MW-27	10/31/2022	<0.00013	<0.00041	<0.00050	<0.0016	--	--	--
	11/09/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--
MW-28	10/31/2022	3.9	12	0.35	8.5	--	--	--
	11/09/2023	1.8	0.034	0.21	1.8	--	--	--
MW-30	11/09/2023	<0.00050	<0.00090	<0.00050	<0.0016	--	--	--
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						

Notes:

Bolded text indicates a detected concentration.

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

-- = Not analyzed

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

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

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

LNAPL = Light Non-Aqueous Phase Liquids

mg/L = milligram(s) per liter

NE = Not established

NMWQCC = New Mexico Water Quality Control Commission

ORO = Oil range organics

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

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

Analyte		Dissolved Metals												
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015	NE	0.2
W-2	9/25/2001	4.2	<0.005	0.029	--	<0.004	400	<0.01	<0.05	0.015	4.6	0.08	120	0.23
	8/15/2002	1.13	0.0049	0.0327	--	0.0008	402	0.0056	0.0035	0.116	1.76	0.0031	108	0.216
	8/26/2003	2.07	0.0055	<0.2	--	0.004	349	<0.01	<0.05	0.0428	1.48	<0.003	106	0.0439
	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	126	0.163
	10/08/2006	1.54	<0.005	<0.2	--	<0.004	399	<0.01	<0.05	<0.025	1.02	0.0102	111	0.256
	8/23/2007	12.8	<0.005	<0.2	--	<0.004	404	<0.01	<0.05	0.0329	10.3	0.014	133	0.223
	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	110	0.268
	8/26/2010	5.18	<0.005	<0.2	--	<0.004	319	<0.01	<0.05	<0.025	4.3	0.0051	103	0.0871
	8/31/2011	6.08	<0.005	<0.2	--	<0.004	330	<0.01	<0.05	<0.025	4.75	0.0141	97.3	0.178
	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	103	0.487
	12/18/2014	<0.0216	<0.00328	0.0131	--	<0.00035	298	0.0036	0.0008	0.0120	<0.0866	<0.0029	86.6	0.005
	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	--	1.03
	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	84.5	<0.00036
	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	82.2	0.00118 J
	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	82.4	0.0031 J
	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	85.9	0.0029 J
	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	--	0.0195
	10/15/2019	<0.0926	<0.00285	0.0111 J	0.558	0.0005 J	--	0.0028 J	<0.00031	--	<0.027	<0.00219	--	0.0011 J
	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	--	0.0190
	11/08/2021	<0.051	<0.0030	0.0094 J	0.66	<0.0020	--	<0.0050	<0.0030	<0.0017^+	<0.075	<0.0020	--	0.0074 J
	10/31/2022	<0.051	0.0052 J	0.010	0.62	<0.0020	--	<0.0050	0.0039 J	0.021	<0.075	0.012	--	0.0070 J
	11/08/2023	<0.10	<0.0060	<0.010	0.77	<0.0020	--	<0.0050	<0.0030	<0.017	<0.075	0.0040 J	--	0.0057
MW-4	9/25/2001	9.3	0.22	0.11	--	0.017	210	ND	0.28	0.82	31.0	0.17	81	6.1
	8/15/2002	1.37	0.0207	0.0271	--	0.0012	210	0.0102	0.191	0.158	6.5	0.0113	80.1	6.08
	8/26/2003	5.29	0.0818	0.2	--	0.01	212	0.01	0.156	0.789	12.4	0.0401	88.1	6.88
	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	111	8.78
	8/10/2006	0.416	0.0636	<0.2	--	<0.004	245	<0.01	0.103	0.0567	31.8	0.051	95.3	5.8
	8/23/2007	9.29	0.0211	<0.2	--	<0.004	249	<0.01	0.0883	0.0683	21.7	0.014	108	6.59
	8/27/2008	9.81	0.0342	<0.2	--	<0.004	267	<0.01	0.094	0.15	17.7	0.0512	113	7.19
	8/28/2009	1.0	0.0125	<0.2	--	<0.004	234	<0.01	0.0752	0.0334	8.16	0.014	101	6.4
	8/26/2010	3.31	0.0175	<0.2	--	<0.004	228	<0.01	0.0576	0.0589	9.93	0.0195	100	5.97
	8/31/2011	1.38	0.0082	<0.2	--	<0.004	263	<0.01	0.0536	0.0268	5.38	0.0128	105	5.03
	12/19/2013	0.702	0.101	0.0327	--	0.00150 J	323	0.00310 J	0.201	0.0913	24.9	0.016	123	8.77
	12/18/2014	<0.0216	0.008	0.0335	--	<0.00035	276	0.00240	0.0452	0.0072	5.86	<0.0029	113	5.95
	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	--	5.81
	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	116	6.31
	7/06/2017	<0.0926	<0.00287	0.00916 J	0.870	<0.00028	274	<0.00159	0.0448	--	3.84	<0.00219	118	5.28
	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	115	6.52
	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	127	6.81
	3/11/2019	<0.0926	0.0188	0.0096 J	0.744	0.0096	--	0.0032 J	0.0896	--	1.72	<0.0149	--	4.98
	10/15/2019	<0.0926	<0.00285	0.0105 J	0.742	0.0006 J	--	<0.00159	0.0507	--	2.22	<0.00219	--	3.94
	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	--	6.9
	11/08/2021	<0.051	<0.0030	0.0079 J	0.85	<0.0020	--	<0.0050	0.049	<0.017^+	9.2	<0.0020	--	6.4
	10/31/2022	<0.051	<0.0030	0.0073 J	0.77	<0.0020	--	<0.0050	0.066	0.018 J	0.92	0.017	--	4.5
	11/08/2023	<0.10	<0.0060	<0.010	0.81	<0.0020	--	<0.0050	0.074	<0.017	<0.075	0.0028 J	--	3.0
MW-6	9/25/2001	22.0	<0.005	0.015	--	0.012	400	<0.01	0.26	0.046	2.9	0.25	420	9.6
	8/15/2002	13.6	0.0078	0.0139	--	0.0109	388	0.0303	0.202	0.0434	0.986	0.005	316	6.55
	8/26/2003	24.5	0.005	0.2	--	0.0133	343	0.01	0.236	0.0807	5.51	0.0039	360	8.63
	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	376	8.25
	8/10/2006	6.45	<0.005	<0.2	--	0.0068	389	<0.01	0.123	<0.025	0.296	0.0076	273	4.82
	8/23/2007	12.6	<0.005	<0.2	--	0.0081	325	<0.01	0.161	0.0387	3.78	0.011	356	5.88
	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	315	6.83
	8/26/2010	19.2	<0.005	<0.2	--	0.0114	331	<0.01	0.199	0.042	4.6	0.0151	326	7.2

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

Analyte		Dissolved Metals								Inorganics				
		Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc	Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		0.002	1	0.2	NE	0.05	0.05	NE	10	NE	250	10	600	1000
W-2	9/25/2001	--	<0.01	<0.04	4.7	0.12	<0.01	1200	<0.02	--	300	25	3600	5800
	8/15/2002	0.00012	0.0028	0.0075	13.40	0.108	0.0028	1350	0.0733	170	296	--	3380	5690
	8/26/2003	<0.0002	<0.01	<0.04	<5.0	0.0896	<0.01	1030	0.0581	196	309	21.8	3630	5880
	8/27/2004	0.0002	--	--	--	0.115	0.01	--	--	180	431	25.2	3160	6170
	8/24/2005	<0.0002	<0.01	<0.04	5.84	0.124	<0.01	1400	0.459	138	265	17	3170	5730
	10/08/2006	<0.0002	<0.01	<0.04	5.63	0.136	<0.01	1150	0.148	163	162	18	3420	4920
	8/23/2007	<0.0002	<0.01	<0.04	8.88	0.143	<0.01	1120	0.169	165	338	18	3410	5710
	8/27/2008	--	--	--	--	--	--	--	--	178	308	17.2	3320	4920
	8/28/2009	--	<0.01	<0.04	10.2	0.132	<0.01	1130	0.0981	174	795	17.7	3000	5870
	8/26/2010	<0.0002	<0.01	<0.04	5.29	0.111	<0.01	1160	0.0344	198	290	19.5	3200	5970
	8/31/2011	<0.0002	<0.01	<0.04	<5.0	0.122	<0.01	1200	0.0552	176	318	16.7	1530	5860
	12/19/2013	<0.000082	<0.00273	0.00900 J	4.02	0.0978	0.00130 J	1260	0.156	203	275	19.7	3330	5460
	12/18/2014	--	0.00273	<0.0022	3.35	0.0908	<0.00125	1030	0.011	215	234	20.9	3170	5390
	12/15/2015	<0.082	0.003 J	0.0279	--	0.0762	--	--	--	197	245	33.4	3280	5000
	12/13/2016	<0.000082	<0.0029	<0.0008	3.17	0.0778	<0.00129	1170	0.0141 J	169 J	206	9.59	3290	4860
	7/06/2017	<0.000082	<0.00487	<0.000966	3.09	0.1120	--	1080	--	181	238	10.7	2960	4760
	11/16/2017	<0.000082	0.0032 J	0.0017 J	3.19	0.0803	--	1120	--	178	362	12	4080	5240
	11/13/2018	<0.000103	0.0026 J	0.009 J	2.89	0.0954	--	909	--	193	428	10.7	4330	4420
	3/11/2019	<0.000103	<0.0044	0.0052 J	--	0.0824	--	--	--	203	200	18.5	3150	4160
	10/15/2019	<0.000103	0.0029 J	0.0013 J	--	0.0652	--	--	--	196	191	23.6 J	2790	4940
	11/16/2020	0.000070 J	<0.0040	<0.0030	--	0.0280	<0.0010	--	<0.0080	270	250	18 J-	3200	5100
11/08/2021	<0.00015	<0.0040	<0.0030	--	0.067	<0.0040	--	<0.0080	230	190	--	2800	4900	
10/31/2022	<0.00015	0.024 J	0.0040 J	--	0.048	<0.0040	--	0.011 J	250	510	13	6400	4300	
11/08/2023	<0.00015	<0.0080	<0.0030	--	0.020	<0.0040	--	<0.0080	300	210	11 J	2600	4600	
MW-4	9/25/2001	--	ND	0.33	7.3	<0.005	<0.01	920	4.2	--	330	--	2000	3920
	8/15/2002	0.00061	0.0027	0.261	8.99	0.0034	0.0017	1040	0.241	874	234	--	1790	4060
	8/26/2003	0.0035	0.01	0.251	9.39	0.005	0.01	802	1.55	446	303	4	2090	4540
	8/26/2004	0.003	--	--	--	0.005	0.01	--	--	888	453	10	2000	4410
	8/24/2005	0.00026	<0.01	0.26	9.62	0.0058	<0.01	1190	0.159	650	321	0.5	2010	4330
	8/10/2006	0.00021	<0.01	0.182	8.77	<0.005	<0.01	1050	0.2	870	385	0.2	2250	3840
	8/23/2007	0.00042	<0.01	0.268	10.1	<0.005	<0.01	910	0.11	820	303	2.1	2000	4460
	8/27/2008	<0.0002	<0.01	0.229	13.1	<0.005	<0.01	1020	0.05	916	16.9	0.39	2150	4120
	8/28/2009	--	<0.01	0.199	8.13	<0.005	<0.01	1020	<0.02	428	373	0.64	2230	4820
	8/26/2010	0.00068	<0.01	0.203	7.86	0.0076	<0.01	1050	0.0287	856	345	0.54	2150	4810
	8/31/2011	0.00031	<0.01	238	6.75	<0.005	<0.01	1130	<0.02	34	1240	0.14	2140	4210
	12/19/2013	<0.000082	0.179	0.358	8.09	0.00860 J	<0.00125	1310	0.157	765	377	0.695	2640	5330
	12/18/2014	--	<0.00273	0.183	6.1	<0.00417	0.0016	1060	0.0091	908	380	0.0986	2670	5450
	12/15/2015	<0.082	0.001 J	0.186	--	0.0255 J	--	--	--	831	390	0.0985	2720	5190
	12/13/2016	<0.000082	<0.00054	0.192	6.25	<0.00287	<0.00129	1250	0.0044 J	798	284	<0.0017	2560	4900
	7/06/2017	<0.000082	<0.00362	0.19	5.99	<0.00287	--	1170	--	379	1.23 J	2520	5110	
	11/16/2017	<0.000082	0.0014 J	0.145	6.26	0.0071 J	--	1220	--	716	456	0.041 J	2830	5400
	11/13/2018	<0.000103	0.0008 J	0.136	6.00	<0.00287	--	988	--	810	725	0.169 J	4120	4780
	3/11/2019	<0.000103	0.0218	0.198	--	0.0191 J	--	--	--	817	331	<0.0251	2830	5220
	10/15/2019	<0.000103	0.1620	0.162	--	<0.00287	--	--	--	698	163	0.0251 J-	967	5020
	11/16/2020	0.000075 J	<0.0040	0.33	--	<0.0080	<0.0010	--	0.012 J	880	370	0.12	2600	5000
11/08/2021	<0.00015	<0.0040	0.20	--	<0.0080	<0.0040	--	<0.0080	830	320	--	2500	4700	
10/31/2022	<0.00015	<0.0040	0.13	--	0.010 J	<0.0040	--	0.020	720	830	4.1	2400	4700	
11/08/2023	0.00015 J	<0.0080	0.13	--	<0.0080	<0.0040	--	0.027	780	320	3.6 J	2200	5100	
MW-6	9/25/2001	--	<0.01	0.32	22.0	0.3	<0.01	4000	0.79	--	1300	ND	10000	16500
	8/15/2002	0.0001	0.005	0.272	29.1	0.304	0.004	4080	0.612	145	1040	--	8300	14900
	8/26/2003	0.0002	0.0100	0.31	29.4	0.247	0.01	3830	0.729	12	1410	70.3	10300	17100
	8/27/2004	0.0002	--	--	--	0.331	0.01	--	--	11	1340	88.3	9320	16600
	8/24/2005	<0.0002	<0.01	0.275	37.6	0.618	<0.01	4370	0.764	25	1150	176	8490	17700
	8/10/2006	<0.0002	<0.01	0.155	34.2	0.995	<0.01	3400	0.527	54	1320	314	8400	11600
	8/23/2007	<0.0002	<0.01	0.187	39.4	0.893	<0.01	3370	0.594	30	1830	258	8930	15500
	8/27/2008	--	--	--	--	--	--	--	--	17	1150	140	3780	16300
	8/28/2009	--	<0.01	0.228	34.8	0.381	<0.01	3470	0.592	6	1290	97.8	4140	16000
8/26/2010	<0.0002	<0.01	0.305	27.6	0.335	<0.01	3620	0.692	<5.0	1180	57	9180	14900	

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

Analyte		Dissolved Metals													
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese	
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015	NE	0.2	
MW-6 (contd.)	8/31/2011	16.3	<0.005	<0.2	--	0.0131	350	<0.01	0.227	0.0479	1.04	0.0187	326	8.06	
	12/19/2013	14.8	<0.00328	0.0108 J	--	0.0116	389	<0.00155	0.238	0.045	0.418	<0.00290	318	6.92	
	12/18/2014	6.99	<0.00328	0.0100	--	0.00730	393	0.00180	0.128	0.0541	<0.0866	<0.0029	285	4.4	
	12/15/2015	12.3	<0.00285	0.0103 J	0.737	0.0103	--	0.0018 J	0.196	--	0.148 J	<0.00219	--	5.95	
	12/13/2016	15.1	<0.00285	0.0055 J	--	0.0123	386	<0.00159	0.228	0.0657	0.0696 J	<0.00219	320	6.7	
	7/06/2017	14.6	<0.00285	0.00722 J	0.851	0.00887	336	<0.00159	0.192	--	<0.027	<0.00219	299	6.54	
	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	292	5.94	
	11/12/2018	17.1	0.0114	0.0078 J	0.872	0.0194	387	<0.00159	0.278	--	0.518	0.0056 J	349	8.19	
	3/11/2019	17.5	<0.00285	0.0087 J	0.775	0.0125	--	<0.00159	0.259	--	0.414	<0.00219	--	7.51	
	10/15/2019	16.5	<0.00285	0.0111 J	0.761	0.0112	--	<0.00159	0.236	--	0.386 J	<0.00219	--	6.84	
	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	--	7.6	
	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	--	7.0	
10/31/2022	14 F1	<0.0030	0.0068 J,F1,F2	0.78 F1	0.010	--	<0.0050	0.24	0.049	0.12 J	<0.0020 F1,F2	--	7.8 F2		
11/08/2023	12 F1	0.0068 J	<0.010 F1	0.86	0.0081	--	<0.0050	0.20	0.038	<0.075	0.0086 J	--	7.0		
MW-8	11/30/1999	--	--	--	--	--	--	--	--	--	0.16	--	--	4.3	
	4/10/2000	--	--	--	--	--	--	--	--	--	1.8	--	--	2.4	
	6/29/2000	--	--	--	--	--	--	--	--	--	0.32	--	--	3.6	
	9/29/2000	--	--	--	--	--	--	--	--	--	0.32	--	--	1.6	
	12/21/2000	--	--	--	--	--	--	--	--	--	0.16	--	--	0.011	
	3/27/2001	--	--	--	--	--	--	--	--	--	1.1	--	--	1.0	
	6/27/2001	--	--	--	--	--	--	--	--	--	1.1	--	--	2.9	
	9/25/2001	0.24	<0.005	0.019	--	<0.004	370	<0.01	<0.05	<0.025	2.5	0.25	370	0.52	
	10/29/2001	--	--	--	--	--	310	--	--	--	0.87	--	280	7.5	
	8/15/2002	0.508	0.0238	0.029	--	0.002	67.2	1.08	0.007	0.014	6.89	0.005	465	0.162	
	8/26/2003	1.62	0.008	0.2	--	0.004	354	0.01	0.05	0.0414	2.39	0.003	370	1.46	
	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	274	1.23	
	8/10/2006	0.219	0.0074	<0.2	--	<0.004	91.6	<0.01	<0.05	<0.025	<0.1	0.0051	216	1.04	
	8/23/2007	1.3	<0.005	<0.2	--	<0.004	69.5	<0.01	<0.05	<0.025	0.855	0.0048	288	0.59	
	8/27/2008	3.26	0.0055	<0.2	--	<0.004	101	<0.01	<0.05	<0.025	1.97	0.0043	264	0.557	
	8/28/2009	5.34	0.0122	<0.2	--	<0.004	34.3	0.013	<0.05	<0.025	3.07	0.0039	373	0.869	
	8/26/2010	5.21	0.03	<0.2	--	<0.004	36.2	0.018	<0.05	<0.025	3.83	0.0087	36.8	0.367	
	12/19/2013	0.651	<0.00328	0.0414	--	<0.00035	57.3	<0.00155	0.0017 J	0.0102	0.65	<0.0029	166	0.351	
	12/18/2014	<0.0216	0.0051	0.0322	--	<0.00035	63.1	0.0017	<0.00063	0.0137	<0.0866	<0.0029	114	0.0165	
	12/15/2015	<0.0926	0.0037 J	0.0666	0.236	0.0003 J	--	<0.00159	0.0025 J	--	5.02	<0.00219	--	2.06	
	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	79.4	0.966	
	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	71.5	0.924	
	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	82.8	0.496	
	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	106	0.217	
	3/12/2019	0.198 J	<0.00285	0.0263	0.286	0.0005 J	--	<0.00159	0.0008 J	--	2.06	<0.00219	--	0.194	
	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	--	0.497	
	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	--	0.13	
	11/8/2021	0.32	<0.015	0.016	0.39	<0.0020	--	<0.0050	0.0037 J	<0.017^+	0.26	<0.0020	--	0.55	
	10/31/2022	<0.051	<0.030	0.027	0.36	<0.0020	--	0.015	<0.0030	<0.017	1.1	<0.020	--	0.35	
	MW-9	11/30/1999	--	--	--	--	--	--	--	--	--	2.2	--	--	8.8
		4/10/2000	--	--	--	--	--	--	--	--	--	2.7	--	--	9.2
6/29/2000		--	--	--	--	--	--	--	--	--	0.85	--	--	8.5	
9/29/2000		--	--	--	--	--	--	--	--	--	1.2	--	--	8.4	
12/21/2000		--	--	--	--	--	--	--	--	--	--	--	--	0.1	
3/27/2001		--	--	--	--	--	--	--	--	--	1.4	--	--	9.0	
6/27/2001		--	--	--	--	--	--	--	--	--	3.7	--	--	9.3	
9/25/2001		7.0	<0.005	0.0088	--	<0.004	340	<0.01	0.18	0.031	3.3	0.2	310	8.3	
10/29/2001		--	--	--	--	--	310	--	--	--	0.13	--	270	0.54	
8/15/2002		8.9	0.0088	0.0119	--	0.0084	358	0.0078	0.183	0.0512	0.849	0.005	258	6.47	
8/26/2003		43.9	0.0061	0.2	--	0.0094	319	0.0169	0.2	0.162	29	0.0135	270	7.33	
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	282	7.87	
8/10/2006		9.77	<0.005	<0.2	--	0.0082	346	<0.01	0.193	0.0458	1.48	0.0087	244	7.36	

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

Analyte		Dissolved Metals								Inorganics				
		Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc	Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		0.002	1	0.2	NE	0.05	0.05	NE	10	NE	250	10	600	1000
MW-6 (contd.)	8/31/2011	<0.0002	<0.01	0.333	21.1	0.351	<0.01	3860	0.772	12	1190	92.2	8970	15600
	12/19/2013	<0.000082	<0.00273	0.299	19.7	0.332	0.0023 J	3950	0.836	<10	1310	137	9600	16300
	12/18/2014	--	<0.00273	0.163	18.50	0.358	<0.00125	3510	0.367	<5.0	874	147	10200	21100
	12/15/2015	<0.082	<0.00054	0.238	--	0.356	--	--	--	5	875	156	11300	15300
	12/13/2016	<0.000082	<0.00054	0.277	21.6	0.35	<0.00129	4070	0.665	<5	738	45.2	9670	15300
	7/06/2017	<0.000082	<0.00141	0.228	17.7	0.279	--	3780	--	<20	938	63.6	9980	16400
	11/16/2017	<0.000082	<0.00054	0.245	21.1	0.334	--	3900	--	<20	2670	27.2	11500	16800
	11/12/2018	<0.000103	0.0144	0.339	19.3	0.27 J+	--	2980	--	<20	1460 J-	63.7 J-	10200	15300
	3/11/2019	<0.000103	<0.00054	0.311	--	0.274 J+	--	--	--	<20	648	53.8	9590	15100
	10/15/2019	<0.000103	<0.00054	0.292	--	0.246	--	--	--	<20	340 J-	35 J-	2230 J+	14000
	11/16/2020	0.000075 J	<0.0040	0.35	--	0.22	<0.0010	--	0.63	<0.50	1000	66 J-	5700 B	15000
	11/08/2021	<0.00015	<0.0040	0.29	--	0.30	<0.0040	--	0.61 B	<0.50	680	--	9100	14000
	10/31/2022	<0.00015	<0.0040	0.30	--	0.25	<0.0040	--	0.58 F1	6.0	620 F1,F2	43	9300	14000
	11/08/2023	<0.00015	<0.0080	0.25	--	0.20	<0.0040	--	0.51	<0.50	600 J-	40 J-	9300 J-	15000
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	--	<0.01	<0.04	20.0	<0.005	<0.01	6200	<0.02	--	610	ND	9600	18000
	10/29/2001	--	--	--	36.0	--	--	4500	--	24	780	0.2	10	17000
	8/15/2002	0.0001	0.0568	0.251	62.9	0.0022	0.01	4720	0.0145	4420	318	--	5450	13200
	8/26/2003	0.0002	0.01	0.04	45.4	0.005	0.01	4390	0.0748	5030	726	20	8260	17900
	8/27/2004	0.0002	--	--	--	0.0062	0.01	--	--	4920	806	20	7760	17000
	8/24/2005	<0.0002	0.0293	<0.04	75.6	<0.005	<0.01	2610	0.0421	1880	261	0.7	4920	11000
	8/10/2006	<0.0002	0.016	<0.04	73.0	<0.005	<0.01	2210	0.0526	2150	147	0.7	4160	7820
	8/23/2007	<0.0002	0.0165	<0.04	87.4	<0.005	<0.01	2220	0.132	2580	165	0.6	3980	8200
	8/27/2008	<0.0002	<10	<0.04	89.0	<0.005	<0.01	2790	0.0207	3380	4	0.36	3590	9420
	8/28/2009	--	0.0321	<0.04	85.6	<0.005	<0.01	2850	0.0234	3860	<1.0	1.2	4050	10700
	8/26/2010	<0.0002	0.0333	<0.2	226.0	0.0075	<0.01	2800	<0.1	9250	<1.0	3	2150	12000
	12/19/2013	<0.000082	0.0087 J	0.0033 J	35.4	<0.00417	<0.00125	2280	0.399	3150	271	0.366	2310	6540
	12/18/2014	--	0.02	0.0033	39.6	<0.00417	0.0017	2180	0.0064	<5.0	206	0.34	2520	6880
	12/15/2015	<0.082	0.0039 J	<0.0008	--	0.0171 J	--	--	--	3800	284	0.017	3120	7290
	12/13/2016	<0.000082	0.0085 JB	<0.0008	26.4	<0.00287	<0.00129	2600 B	0.0589 B	2090	283	<0.017	3840	6600
	7/6/2017	<0.000082	0.02	<0.00233	20.9	<0.00287	--	2480	--	2650	277	<0.251	3060	8130
	11/16/2017	<0.000082	0.0176	0.0038 J	30.2	<0.00287	--	2840	--	2710	496	<0.085	3880	9450
	11/12/2018	<0.000103	0.0205	0.0034 J	30.8	<0.00287	--	1720	--	3050	427	<0.251	4250	9450
	3/12/2019	<0.000103	0.0208	0.0019 J	--	<0.0031	--	--	--	3090	451	<0.251	3740	9870
	10/14/2019	<0.000212	0.0234	0.0043 J	--	<0.00287	--	--	--	3020	346 J+	<0.502	1840	9580
	11/16/2020	<0.000070	0.037 J	0.0032 J	--	<0.0080	<0.0010	<0.0080	--	3700	1000	0.31	5700 B	13000
	11/8/2021	<0.00015	0.042 J	<0.0030	--	0.049	<0.0040	--	<0.0080	3700	650	0.072 J	4800	13000
	10/31/2022	<0.00015	0.074 J	<0.0030	--	0.066	<0.0040	--	<0.0080	3300	720	<0.63	4900	12000
	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		--	<0.01	0.3	12.0	<0.005	<0.01	3900	0.53	--	2200	ND	12000	17000
10/29/2001		--	--	--	43.0	--	--	4800	--	4000	530	0.23	2200	16000
8/15/2002		0.00013	0.005	0.295	25.6	0.0067	0.0029	4490	0.0145	<4	673	--	11600	17200
8/26/2003		0.0002	0.01	0.335	23.0	0.005	0.01	3980	0.597	13	752	20	11800	16800
8/27/2004		0.0002	--	--	--	0.0065	0.0100	--	--	24.5	969	20	12000	17400
8/24/2005		<0.0002	<0.01	0.335	25.9	0.0068	<0.01	4650	0.693	19	782	<0.050	10200	18400
8/10/2006	<0.0002	<0.01	0.307	23.8	<0.005	<0.01	3720	0.624	22	674	<0.050	10700	11000	

Table 4
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San Juan River Gas Plant, Kirtland, New Mexico

Analyte		Dissolved Metals												
		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015	NE	0.2
MW-9 (contd.)	8/23/2007	16.3	<0.005	<0.2	--	<0.004	108	<0.01	0.205	0.121	6.33	0.0084	289	6.42
	8/27/2008	14.5	<0.005	<0.2	--	0.0085	361	<0.01	0.197	0.0629	3.66	0.0051	276	7.77
	8/28/2009	14.7	<0.005	<0.2	--	0.0063	314	<0.01	0.228	0.043	8.93	0.0065	245	8.3
	8/26/2010	11.1	<0.005	<0.2	--	0.0061	300	<0.01	0.235	0.0335	7.4	0.014	244	7.9
	8/31/2011	14.0	<0.005	<0.2	--	0.0082	318	<0.01	0.187	0.0682	7.83	0.0239	217	6.79
	12/19/2013	11.6	<0.00328	0.0098 J	--	0.009	375	0.0017 J	0.216	0.0895	7.75	<0.00290	225	6.59
	12/18/2014	9.64	<0.00328	0.0191	--	0.00940	352	0.00450	0.228	0.1600	18.5	0.004	234	7.31
	12/15/2015	9.03	<0.00285	0.021	0.679	0.0069	--	0.0029 J	0.185	--	19.6	<0.00219	--	6.2
	12/13/2016	15.5	<0.00285	0.0134 J	--	0.0084	379	0.0023 J	0.224	0.0803	31.4	<0.00219	239	7.1
	7/06/2017	11.3	<0.00285	0.00973 J	0.811	0.00577	316	<0.00159	0.232	--	31.6	<0.00219	212	6.62
	11/16/2017	11.3	<0.00285	0.0077 J	0.719	0.0075	339	0.0034 J	0.266	--	27.9	<0.00219	216	6.73
	11/12/2018	11.9	<0.00285	0.0099 J	0.758	0.0096	373	<0.00159	0.245	--	10.6	<0.00219	238	7.01
	3/12/2019	10.4	<0.00285	0.0094 J	0.726	0.0092	--	<0.00159	0.271	--	1.32	<0.00219	--	7.58
	10/14/2019	9.8	<0.00285	0.0097 J	0.714	0.0072	--	0.0016 J	0.242	--	34.3	<0.00219	--	7.08
	11/16/2020	9.2	<0.0030	0.0087 J	0.70	0.0063	--	<0.0050	0.25	0.026	16	0.00599 J	--	7.2
	11/16/2020	9.0	<0.0030	0.0091 J	0.68	0.0060	--	<0.0050	0.25	0.025	16	0.0048 J	--	6.7
	11/08/2021	9.4	<0.0030	0.0093 J	0.77	0.0042 J	--	<0.0050	0.24	0.044	13	<0.0020	--	7.2
	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	--	7.3
	10/31/2022	8.2	<0.0030	0.010	0.74	0.0039 J	--	<0.0050	0.25	0.044	27	0.0049 J	--	8.1
	10/31/2022 (Dup-01)	6.9	0.0045 J	0.014 B	0.74	0.0043 J	--	<0.0050	0.25	0.030	29	<0.0020	--	8.4
11/09/2023	9.5	<0.0060	<0.010	0.87	<0.0020	--	<0.0050	0.26	<0.017	11	0.0029 J	--	8.3	
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	136	1.23
	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	124	0.951
	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	140	0.125
	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	--	1.49
	10/15/2019	<0.0926	<0.00285	0.0178 J	0.348	0.0008 J	--	<0.00159	<0.00031	--	0.0852 J	<0.00219	--	0.63
	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	--	2.3
	11/08/2021	<0.051	<0.0030	0.013	0.47	<0.0020	--	<0.0050	0.0033 J	<0.017^+	1.1	<0.0020	--	2.6
	10/31/2022	<0.051	<0.0030	0.012	0.38	<0.0020	--	<0.0050	<0.0030	<0.017	0.28	0.0046 J	--	2.7
	11/09/2023	<0.10	0.0077 J	0.011	0.49	<0.0020	--	<0.0050	<0.0030	<0.017	0.96	<0.0020	--	3.9
	7/06/2017	<0.0926	0.00285	0.0194	0.4	<0.00028	461	<0.00159	0.0301	--	3.15	<0.00219	107	5.94
MW-12	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	108	5.91
	11/13/2018	<0.0926	<0.002825	0.0187 J	0.385	0.0009 J	424	<0.00159	0.0122	--	26.6	<0.00219	99	5.79
	3/12/2019	<0.0926	<0.00285	0.014 J	0.339	0.0007 J	--	<0.00159	0.0217	--	1.06	<0.00219	--	6.53
	10/15/2019	<0.0926	<0.00285	0.0161 J	0.341	0.0007 J	--	<0.00159	0.0108	--	2.19	<0.00219	--	6.04
	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	--	5.30
	11/08/2021	LNAPL in well, no sample collected												
	10/31/2022	<0.051	<0.0030	0.011	0.38	<0.0020	--	<0.0050	0.0260	<0.017	0.13 J	<0.0020	--	5.4
	11/09/2023	<0.10	0.0076 J	0.013	0.39	<0.0020	--	<0.0050	0.0058 J	<0.017	2.7	<0.0020	--	5.3
	7/06/2017	<0.0926	0.0405	0.0443	0.747	<0.00028	227	0.00239 J	0.00428 J	--	7.34	<0.00219	75	2.39
	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	115	3.56
MW-13	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	125	3.95
	3/12/2019	<0.0926	<0.00285	0.0231	0.248	0.0009 J	--	0.0019 J	0.002 J	--	23.8	<0.00219	--	5.15
	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	--	6.18
	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	--	3.2
	11/08/2021	<0.051	<0.0030	0.0064 J	0.32	<0.0020	--	<0.0050	<0.0030	<0.017^+	3.0	<0.0020	--	2.6
	10/31/2022	<0.051	<0.030	0.018	0.35	<0.0020	--	<0.0050	<0.0030	<0.017	0.19 J	<0.0020	--	2.4
	11/09/2023	<0.10	0.042	0.018	0.41	<0.0020	--	<0.0050	<0.0030	<0.017	2.1	<0.0020	--	2.2
	7/06/2017	<0.0926	<0.00285	0.0114 J	0.689	<0.00193	392	<0.00159	0.00813 J	--	<0.027	<0.00219	244	8.82
	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	245	7.41
	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	285	7.94
MW-14	3/12/2019	<0.00926	0.0157	0.0089 J	0.611	0.0137	--	0.0027 J	0.0243	--	0.145 J	0.0155	--	8.26
	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	--	8.48
	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	--	12
	11/08/2021	<0.051	<0.0030	0.027	0.80	<0.0020	--	<0.0050	<0.0030	<0.017^+	0.42	<0.0020	--	10
	10/31/2022	<0.051	<0.0030	0.0098 J	0.75	<0.0020	--	<0.0050	<0.0030	<0.017	0.23	<0.0020	--	12
	11/09/2023	Insufficient water in well, no sample collected												
	11/09/2023													

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

Analyte		Dissolved Metals							Inorganics					
		Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc	Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		0.002	1	0.2	NE	0.05	0.05	NE	10	NE	250	10	600	1000
MW-9 (contd.)	8/23/2007	<0.0002	<0.01	0.318	23.7	<0.005	<0.01	3590	0.732	25	775	0.4	10900	16500
	8/27/2008	<0.0002	<0.01	0.316	28.0	<0.005	<0.01	3760	0.65	18	606	<0.10	4630	16200
	8/28/2009	--	<0.01	0.336	24.6	<0.005	<0.01	3930	0.604	30	1440	<0.10	4030	17700
	8/26/2010	<0.0002	<0.01	0.391	19.1	0.00970	<0.01	4080	0.608	34	580	<0.10	10300	15800
	8/31/2011	<0.0002	<0.01	0.328	13.1	<0.005	<0.01	4080	0.751	28	576	<0.10	8440	15800
	12/19/2013	<0.000082	<0.00273	0.339	12.3	<0.00417	0.0016 J	4390	1.02	46.5	398	0.147	11200	15300
	12/18/2014	--	<0.00273	0.348	12.00	<0.00417	0.0015	4270	0.881	<5.0	508	0.0981	11000	148000
	12/15/2015	0.0867 J	0.0006 J	0.297	--	<0.00287	--	--	--	5	441	0.017	13000	15900
	12/13/2016	<0.000082	<0.00054	0.357	15.3	<0.00287	<0.00129	4500	1.1	<5.0	419	1.39	12100	16400
	7/06/2017	<0.000082	<0.00054	0.344	11.9	<0.00287	--	4240	--	<20	574	<0.502	11400	16600
	11/16/2017	<0.000082	<0.00054	0.39	14.4	0.0054 J	--	4590	--	<20	539	<0.085	13600	18500
	11/12/2018	<0.000103	0.0006 J	0.32	12.5	<0.00287	--	1900	--	<20	360	<0.251	12700	16100
	3/12/2019	<0.000103	<0.00054	0.337	--	0.0036 J	--	--	--	<20	371 J	<0.251	9580	16000
	10/14/2019	<0.000161	<0.00054	0.359	--	<0.00287	--	--	--	<20	270	<0.502	11500	16200
	11/16/2020	--	<0.0040	0.35	--	<0.0080	<0.0010	--	0.88	<20	340 J	<0.033	12000	13000
	11/16/2020	--	<0.0040	0.35	--	<0.0080	<0.0010	--	0.82	<20	380	<0.033	11000	17000
	11/08/2021	<0.00015	<0.0040	0.35	--	0.013 J	<0.0040	--	0.95 B	<0.50	350	<0.063	11000	36000
	11/8/2021 (Dup-01)	<0.00015	<0.0040	0.36	--	0.021	<0.0040	--	0.96 B	<0.50	350	<0.063	11000	16000
	10/31/2022	<0.00015	<0.0040	0.34	--	<0.0080	<0.0040	--	0.83	21	330	<0.63	11000	16000
	10/31/2022 (Dup-01)	<0.00015	<0.0040	0.34	--	<0.0080	<0.0040	--	0.95	22	330	<0.63	9900	17000
11/09/2023	<0.00015	<0.0080	0.38	--	<0.0080	<0.0040	--	1.1	<0.50	390	<1.3 UJ	12000	18000	
MW-11	7/06/2017	<0.000082	<0.00154	0.012	10.4	<0.00287	--	1540	--	591	197	4.65	4390	7130
	11/16/2017	<0.000082	0.0008 J	0.0125	10.8	<0.00287	--	1430	--	569	256	0.831	7170	7410
	11/13/2018	<0.000103	<0.00054	0.0117	10.4	<0.00287	--	1120	--	667	378	0.22	4120	6430
	3/11/2019	<0.000103	<0.0017	0.0170	--	<0.00287	--	--	--	600	179	<0.0251	3880 J-	5590
	10/15/2019	<0.000103	<0.00054	0.0128	--	<0.00287	--	--	--	577	151	<2.51	2490	5850
	11/16/2020	<0.000070	<0.0040	0.013	--	<0.0080	<0.0010	--	<0.0080	730	210 J	<0.033	4200 B	6700
	11/08/2021	<0.00015	<0.0040	0.015	--	<0.0080	<0.0040	--	<0.0080	710	210	0.063 J	4200	2100
	10/31/2022	<0.00015	<0.0040	0.016	--	0.0092 J	<0.0040	--	0.037	650	560	<0.13	8700	6900
	11/09/2023	<0.00015	<0.0080	0.016	--	0.041	<0.0040	--	<0.0080	670	260	<1.3 UJ	4800	8400
	7/06/2017	<0.000082	<0.00118	0.0243	12.7	<0.00287	--	1260	--	687	406	<0.251	3230	6210
MW-12	11/16/2017	<0.000082	0.0017 J	0.0197	13.2	0.003 J	--	1480	--	664	707	0.077	9130	7120
	11/13/2018	<0.000103	<0.00054	0.007 J	12.1	<0.00287	--	1170	--	816	585	<0.0251	6160	6460
	3/12/2019	<0.000103	<0.00054	0.019	--	<0.00287	--	--	--	725	703	<0.0251	<0.0957	6680
	10/15/2019	<0.000103	0.0006 J	0.010	--	<0.00287	--	--	--	689	222	2.51 J	2330	6040
	11/16/2020	0.00010 J	<0.0040	0.0088	--	<0.0080	<0.0010	--	<0.0080	870	390	<0.033	3900 B	7100
	11/08/2021	LNAPL in well, no sample collected												
	10/31/2022	<0.00015	<0.0040	0.0130	--	0.012 J	<0.0040	--	0.056	740	830	<0.13	8800	6600
	11/09/2023	<0.00015	<0.0080	0.0077	--	0.053	<0.0040	--	<0.0080	800	310	<1.3 UJ	2600	5900
	7/06/2017	<0.000082	<0.00054	0.00509 J	12.3	<0.00287	--	3850	--	2030	1300	<0.502	4970	12500
	11/16/2017	<0.000082	<0.0023	0.0091 J	17.1	<0.00287	--	3690	--	1990	1200	<0.085	11000	12500
MW-13	11/13/2018	<0.000103	<0.00054	<0.0008	14.3	<0.00287	--	2650	--	2460	1770	<0.251	17500	11400
	3/12/2019	<0.000103	<0.00054	0.027 J	--	<0.0037	--	--	--	2330	1440 J-	6.28 J	5480	11100
	10/14/2019	<0.000265	<0.00054	0.0024 J	--	<0.00287	--	--	--	1820	608	<0.502	1980 J	10800
	11/16/2020	<0.000070	<0.0040	<0.0030	--	<0.0080	0.0010 J	--	<0.0080	2400	700	<0.033	4900	11000
	11/08/2021	<0.00015	<0.0040	<0.0030	--	<0.0080	<0.0040	--	<0.0080	1600	530	<0.063	5200	13000
	10/31/2022	<0.00015	<0.0040	<0.0030	--	0.073	<0.0040	--	0.0085 J	2100	600	<0.32	5100	1000
	11/09/2023	<0.00015	<0.0080	<0.0030	--	0.15	<0.0040	--	<0.0080	3100	510	<3.2 UJ	4700	12000
	7/06/2017	<0.000082	<0.00218	0.0558	15.7	0.0115 J	--	3090	--	532	321	5.68	9080	13400
MW-14	11/16/2017	<0.000082	0.0014 J	0.0468	19.8	0.0128 J	--	3170	--	494	581	2.73	10000	14200
	11/12/2018	<0.000103	0.001 J	0.0376	19.5	0.0052 J	--	1920	--	626	367	1.04 J	10100	14200
	3/12/2019	<0.000103	<0.00054	0.0573	--	0.0349 J	--	--	--	516	342	<0.251	8030	12500
	10/14/2019	<0.000117	0.0024	0.0363	--	0.0058 J	--	--	--	531	110	4.99 J	6560	13600
	11/16/2020	0.000070 J	<0.0040	0.037	--	<0.0080	0.0019 J	--	0.016 J	850	320 J	<0.033	13000 B	18000
	11/08/2021	<0.00015	<0.0040	0.021	--	0.011 J	<0.0040	--	<0.0080	560	240	0.18	7900	13000
	10/31/2022	<0.00015	<0.0040	0.032	--	0.038	<0.0040	--	0.037	640	220	<0.32	8700	13000
	11/09/2023	Insufficient water in well, no sample collected												

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

		Dissolved Metals												
		Analyte	Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015	NE	0.2
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	99.9	3.16
	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	99.4	3.92
	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	100	3.23
	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	--	3.51
	10/14/2019	<0.0926	<0.00285	0.0094 J	0.76	0.001 J	--	<0.00159	0.001 J	--	6.75	<0.00219	--	3.52
	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	--	3.7
	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	--	4.4
	10/31/2022	<0.051	<0.0030	0.0096 J	0.79	<0.0020	--	<0.0050	<0.0030	<0.17	6.7	<0.020	--	4.6
	11/09/2023	<0.10	0.016	<0.010	0.77	<0.0020	--	<0.0050	0.028	<0.017	1.6	<0.0020	--	4.1
	11/09/2023 (Dup-02)	<0.10	0.0092 J	<0.010	0.80	<0.0020	--	<0.0050	0.029	<0.017	<0.15 UJ	0.0029 J	--	4.5 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	40.6	0.646
	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	39.2	0.248
	11/12/2018	<0.0926	<0.00285	0.0214	1.15	0.0006 J	93.3	<0.00159	<0.00031	--	<0.027	<0.00219	24.3	0.0056 J
	3/12/2019	<0.0926	<0.00285	0.243	1	0.0006 J	--	<0.00159	0.0004 J	--	0.0428 J	<0.00219	--	0.21
	10/14/2019	<0.0926	<0.00285	0.0203	0.939	0.0011 J	--	<0.00159	<0.00031	--	0.0856 J	<0.00219	--	0.0163
	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	--	0.022
	11/08/2021	<0.0051 F1UJ	<0.0030 F1,F2	0.0047 JF1J-	0.83	<0.0020 F1UJ	--	<0.0050 F1,UJ	<0.0030	<0.017^+ F1UJ	<0.075 F1	<0.0020 F1UJ	--	0.042
	11/01/2022	<0.051	<0.030	0.013	0.64	<0.0020	--	<0.0050	<0.0030	<0.17	<0.075	<0.020	--	0.050
	11/1/2022 (Dup-02)	<0.051	<0.030	0.013	0.64	<0.0020	--	<0.0050	<0.0030	<0.17	<0.075	<0.020	--	0.047
	11/08/2023	<0.010	0.061	0.013	0.37	<0.0020	--	0.0065 J	<0.0030	<0.017	<0.075	0.0078 J	--	0.058
	11/08/2023	<0.010	0.060	0.015	0.36	<0.0020	--	<0.0050	<0.0030	<0.017	<0.075	0.0069 J	--	0.024
11/08/2023 (Dup-01)	<0.010	0.064	0.014	0.34	<0.0020	--	<0.0050	<0.0030	<0.017	<0.075	0.0076 J	--	0.026	
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												
	11/08/2021	Insufficient water in well, no sample collected												
	10/31/2022	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	--	11.3
	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	--	12.1
	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	--	12
	11/08/2021	0.47	<0.0030	0.011	1.0	<0.0020	--	<0.0050	0.13	<0.017^+	8.7	<0.0020	--	12
	10/31/2022	0.43	<0.0030	0.011	1.0	<0.0020	--	<0.0050	0.13	<0.017	6.8	<0.0020	--	13
	11/09/2023	0.49	<0.0060	0.010	1.0	<0.0020	--	<0.0050	0.12	<0.017	4.0 J-	0.0049 J	--	11
	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	--	10.8 J
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	--	10
11/08/2021		<0.051	<0.0030	0.0073 J,F1,J-	0.88	0.010	--	<0.0050	0.065	<0.017^+	<0.075	<0.0020 F1UJ	--	10
11/01/2022		<0.051	<0.0030	0.0081 J,F1,F2	0.85	0.010	--	<0.0050	0.069	<0.017	<0.075	0.0028 F1	--	11
11/09/2023		<0.10	<0.0060	<0.010	0.86	0.0082	--	<0.0050	0.061	<0.017	<0.15 UJ	0.0021 J	--	9.5 J-
MW-20	3/12/2019	LNAPL in well, no sample collected												
	10/14/2019	LNAPL in well, no sample collected												
	11/16/2020	LNAPL in well, no sample collected												
	11/08/2021	LNAPL in well, no sample collected												
	10/31/2022	LNAPL 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	--	0.950
	10/14/2019	<0.0926	<0.00285	0.0163 J	0.853	0.0009 J	--	<0.00159	<0.00031	--	11	<0.00219	--	4.45
	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	--	4.1
	11/08/2021	LNAPL in well, no sample collected												
	10/31/2022	LNAPL in well, no sample collected												
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	--	0.55
	10/31/2022	Insufficient water in well, no sample collected												
MW-23	3/12/2019	Insufficient water in well, no sample collected												
	10/14/2019	Insufficient water in well, no sample collected												

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

Analyte		Dissolved Metals								Inorganics				
		Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc	Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		0.002	1	0.2	NE	0.05	0.05	NE	10	NE	250	10	600	1000
MW-15	7/07/2017	<0.000082	<0.01	0.01	17.8	<0.00287	--	6540	--	1000	2760	<0.502	11600	22200
	11/16/2017	<0.000082	<0.00054	0.004 J	20	<0.0071	--	6850	--	1230	2990	<0.085	13400	23200
	11/12/2018	<0.000103	0.0008 J	<0.0008	166.6	<0.00287	--	5980	--	1510	2910	<0.251	12200	20500
	3/12/2019	<0.000103	0.0029 J	0.0024 J	--	<0.00287	--	--	--	1430	2400	0.236	11400	21300
	10/14/2019	<0.000253	<0.00054	0.0017 J	--	<0.00287	--	--	--	1460	1570	<0.502	12600	22200
	11/16/2020	<0.000070	<0.0040	<0.0030	--	<0.0080	<0.0010	--	<0.0080	1800	2600	<0.033	11000 B	22000
	11/08/2021	<0.00015	<0.0040	<0.0030	--	0.015 J	<0.0040	--	<0.0080	1600	2400	<0.063	11000	21000
	10/31/2022	<0.00015	<0.0040	<0.0030	--	0.026	<0.0040	--	0.013 J	1600	2500	<0.63	10000	22000
	11/09/2023	<0.00015	<0.0080	0.046	--	0.037	<0.0040	--	<0.0080	1500	2100	<6.3 UJ	11000	21000
11/09/2023 (Dup-02)	<0.00015	<0.0080	0.046	--	0.027	<0.0040	--	<0.0080	1500	2100	<6.3 H	11000	21000	
MW-16	7/06/2017	<0.000082	<0.00184	<0.0008	10.5	<0.00287	--	4910	--	1630	1840	<0.502	7890	15800
	11/16/2017	<0.000082	<0.00054	<0.0008	11.9	<0.00287	--	5090	--	2510	2100	<0.085	8800	16400
	11/12/2018	<0.000103	0.0007 J	<0.0008	8.28	<0.00287	--	1770	--	3440	1950	<0.251	4770	12900
	3/12/2019	<0.000103	<0.00054	<0.0008	--	<0.00287	--	--	--	2720	2210	18	9060	17100
	10/14/2019	<0.000125	<0.00054	<0.0008	--	<0.00287	--	--	--	2420	692	<0.502	6030	19800
	11/16/2020	--	<0.0040	<0.0030	--	<0.0080	<0.0010	--	<0.0080	2900	3.3	<0.033	25 B	22000
	11/08/2021	<0.00015	<0.0040	<0.0030	--	0.023 F1J-	<0.0040 F1UJ	<0.0080 F1UJ	--	2800	1500	<0.063 F1	14000	28000
	11/01/2022	<0.00015	<0.0040	<0.0030	--	0.13	<0.0040	--	<0.0080	3000	1400	<3.2	15000	28000
	11/1/2022 (Dup-02)	<0.00015	0.0046 J	<0.0030	--	0.13	<0.0040	--	<0.0080	2100	1500	<3.2	15000	29000
	11/08/2023	<0.00015	<0.0080	<0.0030	--	0.17	<0.0040	--	<0.0080	3500	1200	<6.3 UJ	18000	33000
11/08/2023	<0.00015	<0.0080	<0.0030	--	0.17	<0.0040	--	<0.0080	3500	1100	<6.3 UJ	18000	33000	
11/08/2023 (Dup-01)	<0.00015	<0.0080	<0.0030	--	0.17	<0.0040	--	<0.0080	3500	2600	<6.3 UJ	16000	33000	
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								2100	136	1.06 J-	299	3580
	11/08/2021	Insufficient water in well, no sample collected												
	11/08/2021	Insufficient water in well, no sample collected												
	10/31/2022	Insufficient water in well, only BTEX collected												
	11/08/2023	Insufficient water in well, no sample collected								3600	910	<3.2 UJ	5100	14000
MW-18	4/15/2019	<0.000103	0.0007 J	0.255	--	<0.00287	--	--	--	247	1140	<0.251	13200	19800
	10/15/2019	<0.000103	<0.00054	0.285	--	0.0031 J	--	--	--	102	94	<0.0251	1300	22300
	11/16/2020	<0.000070	<0.0040	0.29	--	<0.0080	<0.0010	0.2	--	110	540	<0.033	17000	23000
	11/08/2021	<0.00015	<0.0040	0.28	--	0.011 J	<0.0040	--	0.13 B	110	490	<0.063 H	14000	21000
	10/31/2022	<0.00015	<0.0040	0.27	--	0.015 J	<0.0040	--	0.16	130	380	<0.63	13000	20000
	11/09/2023	<0.00015	<0.0080	0.25	--	<0.0080	<0.0040	0.22	--	100	370	<1.3 UJ	2400	19000
MW-19	3/12/2019	<0.000103	<0.00054	0.205	--	0.0287 J+	--	--	--	179	290	<0.251	10300	14000
	10/14/2019	<0.000169	<0.00054	0.199	--	0.0239 J	--	--	--	168	134	6.57 J	6690 J+	14800
	11/16/2020	0.000070 J	<0.0040	0.19	--	0.018 J	<0.0010	--	0.12	210	170 J	5.1	11000	14000
	11/08/2021	<0.00015	<0.0040	0.19	--	0.029 F1	<0.0040 J	--	0.13 B	180	180	4.9 H	9100	15000
	11/01/2022	<0.00015	<0.0040	0.19	--	0.037 F1	<0.0040	--	0.14	190	170	4.2	8400	13000
	11/09/2023	<0.00015	<0.0080 UJ	0.18	--	0.016 J	<0.0040	--	0.11	180	180 J-	3.7 J	9000 J-	14000
MW-20	3/12/2019	LNAPL in well, no sample collected												
	10/14/2019	LNAPL in well, no sample collected												
	11/16/2020	LNAPL in well, no sample collected												
	11/08/2021	LNAPL in well, no sample collected												
	10/31/2022	LNAPL in well, no sample collected												
MW-21	3/12/2019	<0.000103	0.0036 J	<0.0063	--	<0.00287	--	--	--	711	2090	<0.251	7640	14400
	10/14/2019	<0.000277	<0.00054	<0.0008	--	<0.00287	--	--	--	819	682 J-	0.502 J	5240 J	19200
	11/16/2020	<0.000070	<0.0040	<0.0030	--	<0.0080	<0.0010	--	<0.0080	1700	1700	<0.033	12000	20000
	11/08/2021	LNAPL in well, no sample collected												
	10/31/2022	LNAPL in well, no sample collected												
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	<0.00015	0.023 J	0.0040 J	--	0.010 J	<0.0040	--	<0.0080	1600	640	0.10 HJ-	8000	13000
	10/31/2022	Insufficient water in well, no sample collected												
MW-23	3/12/2019	Insufficient water in well, no sample collected												
	10/14/2019	Insufficient water in well, no sample collected												

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

		Dissolved Metals												
Analyte		Aluminum	Arsenic	Barium	Boron	Cadmium	Calcium	Chromium	Cobalt	Copper	Iron	Lead	Magnesium	Manganese
NMWQCC Standard (mg/L)		5	0.01	1	0.75	0.01	NE	0.05	0.05	1	1	0.015	NE	0.2
MW-23 (contd.)	11/16/2020	Insufficient water in well, no sample collected												
	11/08/2021	Insufficient water in well, no sample collected												
	10/31/2022	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	--	9.9
	11/01/2022	<0.051	<0.0030	0.016	1.0	<0.0020	--	<0.0050	0.025	<0.017	0.16 J	<0.0020	--	8.6
	11/09/2023	<0.10	<0.0060	0.012	1.0	<0.0020	--	<0.0050	0.025	<0.017	<0.15 UJ	0.0035 J	--	8.4
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	--	0.69
	11/01/2022	<0.051	<0.0030	0.018	0.73	<0.0020	--	<0.0050	<0.0030	<0.017	<0.075	<0.0020	--	0.32
	11/09/2023	<0.10	0.0072 J	0.013	0.72	<0.0020	--	<0.0050	<0.0030	<0.017	<0.15 UJ	<0.0020	--	0.34
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	--	0.36
	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	--	0.36
	11/01/2022	<0.051	<0.0030	0.017	0.91	<0.0020	--	<0.0050	0.023	<0.017	0.12 J	<0.0020	--	4.4
	11/09/2023	<0.10	<0.0060	0.012	0.96	<0.0020	--	<0.0050	0.032	<0.017	1.6 J-	0.0021 J	--	4.5
MW-27	10/31/2022	<0.051	<0.0030	0.022	0.73	<0.0020	--	<0.0050	0.0056	<0.017	3.5	<0.0020	--	0.76
	11/09/2023	<0.10	<0.0060	0.013	0.93	<0.0020	--	<0.0050	0.015	<0.017	0.66 J-	<0.0020	--	4.3
MW-28	10/31/2022	<0.051	0.0054 J	0.032	0.85	<0.0020	--	<0.0050	<0.0030	<0.017	0.49	0.0022 J	--	0.61
	11/09/2023	<0.10	0.027	0.018	0.97	<0.0020	--	<0.0050	<0.0030	<0.017	<0.15 UJ	<0.0020	--	<0.012 UJ
MW-30	11/09/2023	1.8	0.0067 J	0.032	0.39	<0.0020	--	<0.0050	<0.0030	<0.017	<0.15 UJ	0.0036 J	--	0.49 J-
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	15.4	0.139
	11/17/2017	<0.0926	<0.00285	0.007 J	0.441	<0.00028	158	<0.00159	0.0004 J	--	<0.027	<0.00219	14.1	0.114
	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	15.1	0.129
	4/16/2019	0.37 J	<0.00285	0.0131 J	0.467	0.0004 J	--	--	0.0013 J	--	0.313 J	<0.00219	--	0.285
	10/15/2019	<0.0926	<0.00285	0.0303	0.434	<0.00028	--	<0.00159	<0.00031	--	<0.027	<0.00219	--	0.0487
	11/16/2020	Well not accessed or sampled												
	7/07/2017	<0.0926	<0.057	0.118	0.892	<0.0005	62.1	<0.00159	<0.0012	--	<0.0795	<0.00219	8.7	0.337
PMW-2	11/17/2017	<0.0926	<0.00285	0.243	0.976	<0.00028	38.4	<0.00159	<0.00031	--	<0.027	<0.00219	5.72	0.0711
	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	11.1	0.387
	3/12/2019	<0.0926	<0.00285	0.227	0.965	<0.00028	--	<0.00159	0.0004 J	--	0.0359 J	<0.00219	--	0.128
	10/15/2019	0.326 J	<0.00285	0.178	0.97	<0.00028	--	<0.00159	<0.00031	--	0.368 J	<0.00219	--	0.111
	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	23.9	0.698
	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	21.3	0.722
	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	24.6	1.02
	4/16/2018	0.558	<0.00285	0.0183 J	0.439	0.0005 J	--	--	0.0037 J	--	0.419	<0.00219	--	0.734
	10/15/2019	0.118 J	<0.00285	0.0177 J	0.418	<0.00028	--	<0.00159	--	--	0.116 J	<0.00219	--	0.791
	11/16/2020	Well not accessed or sampled												

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

Analyte		Dissolved Metals							Inorganics					
		Mercury	Molybdenum	Nickel	Potassium	Selenium	Silver	Sodium	Zinc	Alkalinity	Chloride	Nitrate	Sulfate	TDS
NMWQCC Standard (mg/L)		0.002	1	0.2	NE	0.05	0.05	NE	10	NE	250	10	600	1000
MW-23 (contd.)	11/16/2020	Insufficient water in well, no sample collected												
	11/08/2021	Insufficient water in well, no sample collected												
	10/31/2022	Insufficient water in well, no sample collected												
MW-24	11/08/2021	<0.00015	0.016 J	0.11	--	0.045	<0.0040	--	0.059 B	600	260	1.3 HJ-	11000	16000
	11/01/2022	<0.00015	0.035 J	0.047	--	0.013 J	<0.0040	--	0.035	550	290	<0.63	11000	17000
	11/09/2023	<0.00015	0.013 J	0.043	--	<0.0080	<0.0040	--	0.014 J	720	270	<1.3 UJ	12000	17000
MW-25	11/08/2021	<0.00015	0.061 J	0.0064	--	<0.0080	<0.0040	--	<0.0080	700	910	9.6 HJ-	6400	11000
	11/01/2022	<0.00015	0.067 J	0.0030 J	--	0.010 J	<0.0040	--	0.025	510	590	6.2	5500	8800
	11/09/2023	<0.00015	0.049 J	<0.0030	--	0.0084 J	<0.0040	--	<0.0080	890	520	<1.3 UJ	9000	9800
MW-26	11/08/2021	<0.00015	0.075 J	<0.0030	--	0.0094 J	<0.0040	--	<0.0080	970	790	1.7 HJ-	8200	17000
	11/8/2021 (Dup-02)	<0.00015	0.074 J	0.0045 J	--	0.035	<0.0040	--	<0.0080	1000	780	1.7	8000	13000
	11/01/2022	<0.00015	<0.0040	0.029	--	<0.0080	<0.0040	--	0.029	680	550	<0.63	940	16000
MW-27	11/09/2023	<0.00015	<0.0080	0.039	--	<0.0080	<0.0040	--	0.016 J	620	540	<1.3 UJ	10000	16000
	10/31/2022	<0.00015	0.087 J	0.0042 J	--	<0.0080	<0.0040	--	0.024	620	870	<0.63	7500	14000
	11/09/2023	<0.00015	0.010 J	0.030	--	0.013 J	<0.0040	--	<0.0080	940	700	<3.2 UJ	13000	19000
MW-28	10/31/2022	<0.00015	<0.0040	<0.0030	--	0.029	<0.0040	--	0.012 J	1500	880	<0.32	4200	9600
	11/09/2023	<0.00015	<0.0080	<0.0030	--	0.18	<0.0040	--	<0.0080	1700	560	<3.2 H	3100	7500
MW-30	11/09/2023	<0.00015	0.025 J	<0.0030	--	0.57	<0.0040	--	<0.0080	160	1100	83 H	5300	12000
PMW-1a	7/07/2017	<0.000082	<0.0073	0.0017 J	7.43	0.0047 J	--	3070	--	167	964	3.1 J	5770	9960
	11/17/2017	<0.000082	0.004 J	0.001 J	7.48	<0.0031	--	3080	--	155	919	0.285	6400	9590
	11/13/2018	<0.000103	0.0043 J	0.0009 J	6.59	<0.00287	--	1950	--	192	884	1.53 J	5900	9990
	4/16/2019	<0.000103	0.0044 J	0.0016 J	--	<0.00287	--	--	--	195	1200	0.0281 J	5050	9800
	10/15/2019	<0.000103	0.0044 J	0.0012 J	--	<0.00287	--	--	--	149	791	13.8 J	315	9080
	11/16/2020	Well not accessed or sampled												
PMW-2	7/07/2017	<0.000082	<0.00054	0.0013 J	6.06	<0.00287	--	2210	--	1860	1100	<0.251	1300	6540
	11/17/2017	<0.000082	<0.00054	<0.0008	4.71	<0.0049	--	1820	--	2360	1240	0.017	247	4690
	11/13/2018	<0.000103	0.005 J	<0.0008	7.14	<0.00287	--	1630	--	1800	3900 J-	<0.0251	7350 J-	6840
	3/12/2019	<0.000103	<0.00054	<0.0008	--	<0.0038	--	--	--	2350	1840	<0.0251	977	5330
	10/15/2019	<0.000103	<0.00054	<0.0008	--	<0.00287	--	--	--	2190	601	1.1	265	4890
PMW-4a	11/16/2020	Well not accessed or sampled												
	7/07/2017	<0.000082	<0.005	0.0076 J	9.34	<0.00287	--	3980	--	712	2690	2.96 J	5200	12200
	11/16/2017	<0.000082	0.0012 J	0.0041 J	9.7	<0.00287	--	3650	--	190	2880	0.996 J	7040	12700
	11/13/2018	<0.000103	0.0039 J	0.0074 J	9.2	<0.00287	--	2740	--	295	4370	1.3 J	10300	11800
	4/16/2018	<0.000103	<0.0021	0.0036 J	--	--	--	--	--	220	3010	<0.0251	4540	12400
	10/15/2019	<0.000103	0.0009 J	0.0036 J	--	<0.00287	--	--	--	196	855	<2.51	1730	11300
	11/16/2020	Well not accessed or sampled												

Notes:

Bolded text indicates a detected concentration.

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

-- = not analyzed

< or ND = not detected above the method detection limit

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

^ = Continuing Calibration Verification (CCV) is outside acceptance limits, low 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 = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

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

LNAPL = Light Non-Aqueous Phase Liquids

mg/L = milligram(s) per liter

NE = Not established

NMWQCC = New Mexico Water Quality Control Commission

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

Historical data for wells abandoned prior to 2017 has been removed from this Table.

Table 5
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Location	Sample Depth (ft bgs)	Date (mm/dd/yyyy)	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	Chloride	Aluminum	Arsenic	Barium	Boron	Calcium	Cadmium	Chromium	Cobalt	Iron	Lead
NMOCD Recommended Remediation Action Level ² (mg/kg)			10	NE	NE	NE	50 ³	600	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)			87.2	61,110	365	4,237	NE	NE	1,285,451	35.88	254,671	259,431	40,555,556	1,108	504.62	388	908,444	NE
SB-01	1-2	4/19/2017	<0.00078	<0.00171	<0.00126	<0.0014	<0.00171	--	12,900	4.06	137	3.74 J	13,900	0.187 J	6.19	10	18,300	29.2
SB-02	1-2	4/19/2017	<0.000752	<0.00165	<0.00122	<0.00135	<0.00165	--	10,800	3.26	109	4.46 J	21,600	0.157 J	24	7.22	13,400	13.2
	13-14	4/12/2017	<0.000652	<0.00143	<0.00106	<0.00117	<0.00143	--	15,800	4.16	27.7	1.43 J	2,340	0.114 J	7.39	13.5	19,700	13.8
	18-19	4/12/2017	0.00097 J	<0.00134	<0.000989	<0.0011	0.00097 J	--	14,000	3.1	66.3	0.791 J	2,250	0.139 J	6.39	12.4	19,000	10.3
SB-03	1-2		<0.000592	<0.0013	<0.000959	<0.00106	<0.0013	--	10,100	3.59	72.2	1.74 J	6,510	0.144 J	5.75	6.43	14,000	9.85
	10-11	4/11/2017	2.59	<0.0729	3.2	5.36	11.15	--	14,900	14.5	74	1.66 J	3,170	0.0862 J	6.49	10.1	24,200	20.8
	13-14	4/11/2017	1.99	15.1	2.73	38.4	58.2	--	11,500	23.6 J	45.6	1.32 J	2,310 J	<0.0286	5.56	4.8	18,300	14.9
SB-04	1-2	4/17/2017	<0.000695	<0.00152	<0.00113	<0.00125	<0.00152	--	13,900	3.95	147	2.08 J	13,800	0.182 J	7.17	8.16	16,800	9.99
	14-15	4/11/2017	<0.000758	<0.00166	<0.00123	<0.00136	<0.00166	--	16,900	3.6	58.7	1.66 J	10,300	0.28	16.1	11.7	27,800	14.4
	19-20	4/11/2017	0.0048 J	<0.00146	<0.00108	<0.0012	0.0048 J	--	8,700	15.1	130	2.72 J	6,280	<0.0304	4.63	7.64	20,800	21.8
SB-05	1-2	4/18/2017	<0.000754	<0.00165	<0.00122	<0.00135	<0.00165	--	14,200	60.4	121	55.4	3,240	28.1	7.8	63.4	18,800	73.3
	10-11	4/12/2017	6.12	<1.18	8.23	97.9	112.3	--	12,700	15	33.3	1.63 J	3,720	0.353	6.85	8.65	28,500	23.2
	15-16	4/12/2017	3.19	17.3	7.63	116	144.1	--	11,500	3.21	60.4	0.551 J	3,030	0.161 J	5.53	12.4	31,000	13.2
	29-30	4/12/2017	0.0381 J	0.0115 J	0.00351 J	0.0258 J	0.07891 J	--	15,000	4.35	182 J	1.72 J	3,000 J	0.0876 J	4.49	11.5	15,400	13.7
SB-06	1-2	4/4/2017	<0.000783	<0.00172	<0.00127	<0.0014	<0.00172	--	13,300	4.09	112	2.29 J	16,200	0.214 J	6.91	7.68	16,000	9.58
	10-11	4/11/2017	<0.000609	<0.00133	<0.000986	0.00314 J	0.00314 J	--	11,900	14.6	86.5	1.3 J	4,100	0.415	8.63	8.37	31,100	17
	13-14	4/11/2017	<0.000752	0.00201 J	<0.00122	0.00482 J	0.00683 J	--	15,300	3.91	174	2.05 J	3,940	0.113 J	7.58	9.5	18,800	15.8
	18-19	4/11/2017	0.472	0.942	0.934	11.8	14.1	--	13,100	39.4	95.5	1.31 J	4,790	0.261	5.97	10.8	23,800	11.1
	25-26	4/11/2017	<0.000793	0.00256 J	<0.00128	0.00423 J	0.00679 J	--	13,500	2.73	77.1	2.03 J	3,440	0.155 J	5.22	8.88	19,200	14.4
SB-07	1-2	4/20/2017	<0.000699	<0.00153	<0.00113	<0.00125	<0.00153	--	11,400	3.33	187 J	5.8 J	14,900 J	0.145 J	14.8	6.81	14,700	13.3
	14-15	4/10/2017	<0.000894	<0.00196	0.0088	0.0091	0.0179	--	15,600	7.09 J	436	0.999 J	5,660	0.345	8.01	11.1	27,400	13.6
	20-21	4/10/2017	<0.00072	<0.00158	0.00175 J	<0.00129	0.00175 J	--	19,000	6.44	50.8	1.94 J	2,230	0.149 J	8.39	9.59	23,500	17.1
SB-08	1-2	4/18/2017	<0.000734	<0.00161	<0.00119	<0.00132	<0.00161	--	14,300	5.17	80.6 J	<0.473	2,770 J	0.129 J	7.47	6.78	21,900	19.5
	13-14	4/11/2017	26.8	0.237 J	50.1	528	605.1	--	14,600	6.5	47.7	2.59 J	5,990	0.446	13.5	12	28,700	17.2
	29-30	4/11/2017	4.25	1.23	1.37	11.4	18.25	--	16,300	6.4	95.1	2.36 J	4,120	0.0781 J	5.39	12.1	19,200	20.8
SB-09	1-2	3/30/2017	<0.000673	<0.00147	<0.00109	<0.00121	<0.00147	--	10,300	2.66	78.9	1.47 J	3,910	0.899	4.59	6.59	14,600	10.8
	9-10	3/28/2017	<0.000626	<0.00137	<0.00101	<0.00112	<0.00137	--	12,100	6.85	74.3	2.28 J	3,250	<0.0312	7.95	6.94	14,900	17.1
	12-13	3/28/2017	<0.000578	<0.00127	<0.000936	<0.00104	<0.00127	--	3,780	1.51	240	0.779 J	5,770	<0.0273	3.13	3.27	7,890	3.03
SB-10	1-2	3/28/2017	<0.000838	<0.00184	<0.00136	0.0117 J	0.0117 J	--	14,000	2.13	83.2	2 J	6,730	0.2 J	6.97	18.1	17,500	11.2
	10-11	3/27/2017	<0.000574	<0.00126	<0.000929	<0.00103	<0.00126	--	11,100	4.73	40.3	1.3 J	7,210	0.141 J	8.85	11.9	25,700	14.1
	21-22	3/27/2017	0.763 J	<0.0672	2.53 J	7.96 J	11.3 J	--	11,500	5.98	56.2	1.65 J	6,150	<0.0275	5.86	11.1	26,000	13.5
	31-32	3/27/2017	0.00174 J	<0.00154	<0.00114	<0.00126	0.00174 J	--	13,500	7.29	60.8	1.76 J	2,600	<0.0246	4.9	21.2	26,500	15
SB-11	1-2	4/20/2017	<0.000625	<0.00137	<0.00101	<0.00112	<0.00137	--	12,500 J	4.01	101 J	1.1 J	12,700 J	0.237 J	6.64	16.7	20,100	17.6
	17-18	3/31/2017	13.4	<0.665	39.6	199	252	--	8,280	5.43	294	2.38 J	3,890	0.319	3.04	8.68	17,600	16.8
	27-28	3/31/2017	1.34	<0.0612	1.41	5.48	8.23	--	12,000	1.53	116	1.69 J	12,300	0.367	4.34	10.7	13,400	14.4
	29-30	3/31/2017	2.53	0.145 J	0.617	5.98	9.27	--	10,000	2.35	56.7	1.63 J	6,880	0.256 J	4.1	8.93	16,800	13.7
SB-12	1-2	4/20/2017	<0.000739	<0.00162	<0.0012	<0.00133	<0.00162	--	13,800	4.04	81.1	2.17 J	970	0.293	6.18	7.74	16,800	20.5
	19-20	4/10/2017	0.252 J	<0.0687	1.04 J	7.29 J	8.58	--	19,900	3.67	134	2.29 J	2,330	0.0969 J	8.93	7.36	22,400	16.2
	25-26	4/10/2017	0.028	0.00826	0.0121	0.105	0.15336	--	17,200	4.4	126	2.13 J	5,410	0.158 J	7.38	12	24,300	12.9
SB-13	1-2	4/4/2017	<0.000683	<0.0015	<0.00111	<0.00122	<0.0015	--	16,600	7.2	27	2.86 J	11,800	0.298	6.98	30.8	32,600	11.4
	14-15	4/5/2017	<0.000643	<0.00141	<0.00104	<0.00115	<0.00141	--	8,980	<1.23	85.8	5.09 J	3,970	0.434	3.89	11	13,800	14.7
	18-19	4/5/2017	<0.000602	<0.00132	<0.000974	<0.00108	<0.00132	--	6,590	<2.41	70.6	3.81 J	40,800	0.309	3.2	16.2	6,600	6.3

Table 5
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Location	Sample Depth (ft bgs)	Date (mm/dd/yyyy)	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Sodium	Gasoline Range Organics [C6-C10]	Diesel Range Organics [C10-C28]	Oil Range Organics [C24-C40]	Total Petroleum Hydrocarbons
NMOCD Recommended Remediation Action Level ² (mg/kg)			NE	NE	NE	NE	NE	NE	NE	NE	100	100	100	100
New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)			5,677,778	160,183	111	6,489	25,682	76,244,444	6,489	37,311,111	500	3,000	3,000	NE
SB-01	1-2	4/19/2017	4,090	475	0.0185 J	1.33	10.2	1,500	0.453 J	7,770	<3.65	<3.07	<6.14	<6.14
SB-02	1-2	4/19/2017	3,620	906	0.0175 J	1.18	8.6	1,280	0.375 J	9,090	<3.42	<2.93	<5.91	<5.91
	13-14	4/12/2017	3,920	105	0.0234	1.55	16.1	1,540	<0.311	4,560	<3.49	4.1 J	13.9	18.0
	18-19	4/12/2017	3,620	120	0.0185 J	0.668	12.9	1,160	<0.289	3,830	<3.31	<2.85	4.41 J	4.41
SB-03	1-2		3,580	110	0.0148 J	0.556	7.07	1,210	<0.266	13,800	<3.02	<2.77	<5.53	<5.53
	10-11	4/11/2017	3,630	88.1	0.0415	2.39	11.6	1,730	0.548 J	8,460	24.2	0.463	0.059 J	24.7
	13-14	4/11/2017	2,920	53.7	0.0205 J	0.882	5.3	1,280	<0.289	6,640	746	25.8	4.37 J	776.2
SB-04	1-2	4/17/2017	4,600	512	0.0113 J	1.06	11	1,680	0.339 J	10,400	<3.26	4.51 J	4.72 J	9.23
	14-15	4/11/2017	6,280	327	0.0279	2.25	20.5	1,460	<0.273	3,270	<2.89	3.01 J	7.32	10.33
	19-20	4/11/2017	1,510	61.2	0.0589	3.21	15	1,140	0.873 J	5,650	<3.01	3.19 J	8.77	11.96
SB-05	1-2	4/18/2017	4,760	119	0.0354	2.6	7.71	2,020	56.6	10,500	<3.41	6.66	5.76 J	12.42
	10-11	4/12/2017	3,300	138	0.035	3.34	15.3	2,000	<0.29	9,290	1,110	337	6.17 J	1,453
	15-16	4/12/2017	3,120	139	0.0181 J	1.3	13.3	1,180	<0.298	5,680	653	147	3.27 J	803
	29-30	4/12/2017	2,940	140 J	0.0299	<0.584	14.4	1,460	<0.302	11,600	<3.36	<2.9	3.03 J	3.03
SB-06	1-2	4/4/2017	4,610	767	<0.00391	0.849	10.2	1,480	<0.299	6,320	<2.46	<2.87	4.07 J	4.07
	10-11	4/11/2017	2,870	132	0.0313	3.2	14	1,410	<0.256	4,020	217	110	4.25 J	331
	13-14	4/11/2017	3,670	122	0.0281	0.955	12.2	1,470	<0.325	5,320	<3.7	33	5.02 J	5.02
	18-19	4/11/2017	3,210	136	0.0161 J	0.98	14.6	1,220	<0.27	4,750	79.7	<2.84	4.24 J	83.9
	25-26	4/11/2017	3,310	150	0.0199	0.983	10.4	1,240	<0.268	7,340	<3.03	<2.82	4.73 J	4.73
SB-07	1-2	4/20/2017	3,980	538 J	<0.00419	<0.58	8.05	1,530	<0.3	5,580	<3.31	<2.88	<5.77	<5.77
	14-15	4/10/2017	3,720	204	0.0327	2.91	29.6	1,230	<0.259	2,930	<2.84	3.55 J	6.05	9.6
	20-21	4/10/2017	4,500	140	0.0294	1.92	15.2	1,780	0.512 J	6,210	<3.22	19.9	9.47	29.4
SB-08	1-2	4/18/2017	4,460	73	0.00663 J	0.753	9.19	1,560	<0.318	17,400	<3.8	5.27 J	4.59 J	9.86
	13-14	4/11/2017	3,480	288	0.053	5.4	32.5	1,720	0.881 J	5,170	1,750	390	28	2,168
	29-30	4/11/2017	2,920	122	0.0332	2.58	17.1	1,400	<0.289	9,990	<3.21	3.64 J	7.14	10.78
SB-09	1-2	3/30/2017	3,360	292	0.0157 J	0.468 J	15.9	1,420	0.305 J	9,510	<2.37	4.84 J	4.74 J	9.58
	9-10	3/28/2017	3,790	101	0.0387	1.41	8.7	1,910	0.87 J	4,280	<2.17	3.37 J	<3.15	3.37
	12-13	3/28/2017	2,270	203	<0.00412	0.555	3.11	296	<0.276	820	<2.46	<2.81	<2.81	<2.81
SB-10	1-2	3/28/2017	3,830	338	0.0262	0.537 J	20.7	1,530	<0.323	12,100	<2.34	<3.02	3.27 J	3.27
	10-11	3/27/2017	4,280	275	0.0353	1.77	21.5	1,250	<0.292	3,480	105	8.22	3.22 J	116.44
	21-22	3/27/2017	3,130	101	0.027	1.77	10.4	1,300	<0.278	5,210	136	25.2	4.71 J	165
	31-32	3/27/2017	3,680	150	0.0188	5.04	23.8	1,500	0.322 J	9,230	<3.14	7.82	8.89	16.71
SB-11	1-2	4/20/2017	3,280	332	0.0325 J	0.301 J	11.1	1,260	0.43 J	5,410	<3	<2.73	<5.46	<5.46
	17-18	3/31/2017	1,840	77.1	0.083	3.04	16.3	1,100	0.936 J	2,910	1,890	565	9.2	2,464
	27-28	3/31/2017	3,470	341	0.0216	<0.149	13.9	1,280	<0.284	5,750	<2.22	44.3	8.94	53.2
	29-30	3/31/2017	3,620	144	0.00521 J	0.66	11.2	1,230	<0.283	7,630	<2.47	36	9.95	50
SB-12	1-2	4/20/2017	4,170	298	0.0416 J	<0.52	11.2	1,480	0.376 J	14,900	<3.52	<2.98	<5.95	<5.95
	19-20	4/10/2017	4,780	139	0.0293	1.01	11.3	1,800	<0.264	7,790	279	32.4	4.79 J	316
	25-26	4/10/2017	4,750	219	0.0223	2.78	14.9	1,550	<0.273	9,150	<3.05	6.37	10.1	16.5
SB-13	1-2	4/4/2017	3,380	321	0.0164 J	2.89	24.2	1,040	<0.281	4,380	<2.22	<2.73	4.78 J	4.78
	14-15	4/5/2017	3,640	160	0.00843 J	2.57	7.96	1,380	<0.293	2,300	<2.22	3.9 J	7.15	11.1
	18-19	4/5/2017	2,110	2,680	<0.00374	0.479 J	14.5	886	<0.286	752	<2.48	2.76 J	5.55	8.31

Table 5
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Location	Sample Depth (ft bgs)	Date (mm/dd/yyyy)	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	Chloride	Aluminum	Arsenic	Barium	Boron	Calcium	Cadmium	Chromium	Cobalt	Iron	Lead
NMOCD Recommended Remediation Action Level ² (mg/kg)			10	NE	NE	NE	50 ³	600	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)			87.2	61,110	365	4,237	NE	NE	1,285,451	35.88	254,671	259,431	40,555,556	1,108	504.62	388	908,444	NE
SB-14	1-2	4/4/2017	<0.000674	<0.00148	<0.00109	<0.00121	<0.00148	--	13,400	4.97	67.1	2.94 J	25,400	0.229 J	7.06	6.17	18,300	14.5
	13-14	3/31/2017	0.00109 J	<0.00145	0.0192	0.0872	0.10749	--	14,000	4.1	113	2.35 J	3,400	0.176 J	10.4	7.59	24,800	15.5
	18-19	3/31/2017	0.358	<0.0685	2.4	1.68	4.44	--	10,500	42.9	254	1.36 J	4,080	0.557	7.55	9.9	45,700	20.2
	31-32	3/31/2017	2.82	<0.0679	1.85	15	19.7	--	11,800	1.49	32.1	1.86 J	1,970	0.221 J	4.3	5.64	16,300	13.1
	37-38	3/31/2017	0.0161	0.014	0.0338	0.263	0.3269	--	12,800	3.55	70.5	2.42 J	3,200	0.29	4.15	10.3	18,500	14.4
SB-15	1-2	4/17/2017	<0.000691	<0.00151	<0.00112	<0.00124	<0.00151	--	13,900	4.25	83.4	4.56 J	10,300	0.21 J	7.54	5.64	15,800	10.4
	14-15	4/10/2017	<0.000551	<0.00121	<0.000892	<0.000989	<0.00121	--	17,000	3.65	44.2	2.17 J	2,260	0.0867 J	8.49	7.35	23,600	13.6
	19-20	4/10/2017	<0.000634	<0.00139	<0.00103	<0.00114	<0.00139	--	13,700	3.18	173	1.75 J	3,860	0.438	7.58	14.1	21,100	14.3
SB-16	1-2	4/20/2017	<0.000909	<0.00199	<0.00147	<0.00163	<0.00199	--	12,900	3.56	85.5	5.54 J	78,900	0.162 J	7.18	6.91	14,400	10.9
	14-15	4/10/2017	<0.00056	<0.00123	<0.000906	<0.001	<0.00123	--	13,900	3.02	103	1.98 J	4,850	0.0832 J	9.65	7.51	20,600	10.4
	20-21	4/10/2017	<0.000537	<0.00118	<0.000869	<0.000963	<0.00118	--	13,800	3	49.4	1.61 J	5,540	0.395	7.12	18.3	20,800	10.9
SB-17	1-2	4/20/2017	<0.000545	<0.00119	<0.000882	<0.000977	<0.00119	--	6,800	3.24	332	1.95 J	39,700	0.136 J	4.48	4.53	10,300	6.05
	11-12	4/5/2017	<0.000715	<0.00128	<0.00157	0.482	0.482	--	11,500	<1.37	76.3	6.42 J	2,500	0.417	5.44	4.8	12,900	11.9
	21-22	4/5/2017	<0.000702	<0.00154	<0.00114	<0.00126	<0.00154	--	14,000	<2.68	62.1	7.55 J	3,480	0.831	7.97	19.5	19,500	10.9
	26-27	4/5/2017	<0.000537	<0.00118	<0.000869	<0.000963	<0.00118	--	7,490	<1.14	211 J	5.14 J	5,440 J	0.43 J	5.62	9.94 J	13,300 J	7.34
SB-18	1-2	4/20/2017	<0.00076	<0.00166	<0.00123	<0.00136	<0.00166	--	11,500	4	29.6	2.74 J	31,500	0.131 J	7.99	8.46	21,200	8.68
	14-15	4/10/2017	0.000824 J	<0.000652	<0.000482	<0.000534	0.000824 J	--	16,200	5.98 J	161 J	1.62 J	2,290 J	0.186 J	7.36 J	6.98	21,300	19.3
	21-22	4/10/2017	<0.000521	<0.00114	<0.000844	<0.000935	<0.00114	--	11,100	7.76	67.7	1.35 J	9,460	0.175 J	5.92	6.08	35,400	8.84
SB-19	1-2	3/30/2017	<0.000752	<0.00165	<0.00122	<0.00135	<0.00165	--	11,300	4.25	186	4.88 J	25,700	0.201 J	9.05	6.28	14,200	11.8
	13-14	3/27/2017	<0.000505	<0.00111	<0.000818	<0.000906	<0.00111	--	11,400	1.71	216	0.85 J	3,890	0.0333 J	6.84	6.74	22,000	11
	17-18	3/27/2017	<0.000633	<0.00139	<0.00102	<0.00114	<0.00139	--	11,700	2.67	98.8	0.662 J	4,230	<0.0278	7.55	10.9	26,300	10.4
MW-11	1-2	4/4/2017	<0.000747	<0.00164	<0.00121	<0.00134	<0.00164	--	9,880	2.17	68.2	2.71 J	45,900	0.112 J	6.24	6.31	14,000	6.91
	29-30	3/31/2017	<0.000776	<0.0017	<0.00126	0.004 J	0.004 J	--	7,690	2.62	118	0.664 J	3,480	0.138 J	4.78	11	17,100	8.53
MW-12	1-2	4/4/2017	<0.000614	<0.00135	<0.000995	<0.0011	<0.00135	--	12,100	3.23	79.5	1.81 J	23,600	0.144 J	6.18	8.93	16,600	8.86
	10-11	3/30/2017	<0.000605	<0.00133	<0.000979	<0.00109	<0.00133	--	10,300	1.97	27	0.61 J	1,920	<0.0267	6.83	5.85	16,700	16.8
	16-17	3/30/2017	<0.00069	<0.00151	<0.00112	<0.00124	<0.00151	--	12,400	1.61	51.9	1.03 J	4,110	<0.0273	8.29	9.67	23,600	11.8
MW-13	1-2	4/4/2017	<0.000704	<0.00154	<0.00114	<0.00126	<0.00154	--	12,000	2.43	158	2.53 J	58,000	0.157 J	6.75	7.54	13,400	8.39
	10-11	3/28/2017	0.00119 J	<0.00141	<0.00104	<0.00115	0.00119 J	--	3,660	2.39 J	293 J	<0.378	7,380 J	<0.025	2.9	4.1	8,530	5.76 J
	19-20	3/28/2017	0.00128 J	<0.00128	0.00343 J	0.00826 J	0.01297 J	--	8,160	1.46	130	0.753 J	21,600	<0.0279	6.14	7.42	13,400	7.91
	29-30	3/28/2017	46.8	178	25.8	360	610.6	--	12,700	4.47	47	2.07 J	3,960	<0.0265	5.85	22	17,700	15.1
	34-35	3/28/2017	0.0229	0.0568	0.00556 J	0.0668	0.15206	--	15,400	1.46	45.8	2.28 J	2,830	<0.027	6.37	8.44	17,000	14.1
MW-14	1-2	4/19/2017	<0.00103	<0.00226	<0.00167	<0.00185	<0.00226	--	12,400	5.39	132	4.45 J	13,000	0.2 J	8.2	6.53	18,800	13.4
	15-16	4/20/2017	<0.000685	<0.0015	<0.00111	<0.00123	<0.0015	--	14,900	3.98	62.2	4.05 J	19,400	0.723	7.86	7.44	21,000	12.8
	20-21	4/10/2017	0.265 J	<0.0624	0.95 J	1.15 J	2.37	--	16,600	3.41	24.3	1.18 J	2,390	0.131 J	7.51	15.2	19,400	17.9
	25-26	4/10/2017	0.024 J	0.0157 J	0.00719 J	0.038 J	0.08489	--	17,600	3.14	44.7	1.88 J	3,720	0.0799 J	6.23	10.4	23,900	13.5
MW-15	1-2	4/19/2017	<0.000923	<0.00202	<0.00149	0.00334 J	0.00334 J	--	14,200	5.52	85.4 J	3.09 J	19,500 J	0.221 J	6.72	8.62	19,400	20.5
	9-10	4/12/2017	7.59	<0.829	10.4	82	100	--	13,400	10.7	34.7	2.2 J	2,240	0.272 J	6.94	10.9	23,600	18.1
	14-15	4/12/2017	1.58 J	<0.691	7.95	35.3	44.8	--	11,600	8.52	39	1.81 J	3,150	0.144 J	6.33	7.82	24,300	19.7
	26-27	4/12/2017	3.28	8.57	0.146 J	11.2	23.2	--	13,100	5.43	68.2	2.38 J	1,870	0.157 J	4.97	10.1	21,400	18.1
MW-16	1-2	4/17/2017	<0.000837	<0.00183	<0.00136	<0.0015	<0.00183	--	14,700	4.56	119	2.84 J	3,850	0.17 J	7.74	7.26	16,200	11
	10-11	4/12/2017	1.34	2.51	0.311	6.69	10.9	--	14,900	6.14	68.6	1.69 J	5,610	0.197 J	7.03	9.48	19,200 J	14.3
	14-15	4/12/2017	0.00308 J	<0.00123	0.00584 J	0.0849 J	0.09382 J	--	7,270	2.06	260	0.913 J	12,700	0.103 J	5.32	14.3	9,840	7.01
MW-17	0-1	1/28/2019	<0.00107	<0.00235	<0.00173	<0.00192	<0.00235	--	11,600	4.54	155	<2.8 J	--	0.384	6.53	10.9	16,300	11.5
	9-10	1/28/2019	16.1 J	187 J	29 J	420 J	652.1	--	6,510	2.34	83.2	0.864	--	0.204	3.73	13.2	11,000	7.32

Table 5
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Location	Sample Depth (ft bgs)	Date (mm/dd/yyyy)	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Sodium	Gasoline Range Organics [C6-C10]	Diesel Range Organics [C10-C28]	Oil Range Organics [C24-C40]	Total Petroleum Hydrocarbons
NMOCD Recommended Remediation Action Level ² (mg/kg)			NE	NE	NE	NE	NE	NE	NE	NE	100	100	100	100
New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)			5,677,778	160,183	111	6,489	25,682	76,244,444	6,489	37,311,111	500	3,000	3,000	NE
SB-14	1-2	4/4/2017	3,620	196	0.0297	1.59	9.71	1,560	<0.282	7,250	<2.45	<2.82	4.51 J	4.51
	13-14	3/31/2017	4,260	117	0.0234	1.82	10.3	1,530	<0.277	3,130	<2.43	5.08 J	4.9 J	10
	18-19	3/31/2017	2,630	97.1	0.0233 J	14.3	13.6	1,600	3.98	3,040	21.3	35.1	4.3 J	60.7
	31-32	3/31/2017	4,330	205	0.0219	0.406 J	8.48	1,350	<0.301	7,080	<2.25	16.5	<2.84	16.5
	37-38	3/31/2017	3,380	131	0.023	2.6	13.3	1,280	<0.288	9,120	<2.32	12.6	12.2	24.8
SB-15	1-2	4/17/2017	4,730	292	0.0108 J	3.61	10.9	1,350	<0.265	11,700	<3.18	<2.95	3.52 J	3.52
	14-15	4/10/2017	4,350	123	0.0257	0.67	11	1,640	<0.299	6,820	<2.34	<2.98	<2.98	<2.98
	19-20	4/10/2017	4,710	210	0.0167 J	0.973	19.8	1,400	<0.264	3,410	<2.46	<2.97	<2.97	<2.97
SB-16	1-2	4/20/2017	4,890	813	0.00529 J	1.41	7.93	1,230	0.608 J	11,200	<3.31	<2.84	<5.68	<5.68
	14-15	4/10/2017	3,950	138	0.00767 J	0.954	9.08	1,260	<0.287	4,790	<2.4	<3.1	4.66 J	4.66
	20-21	4/10/2017	4,360	317	0.019 J	0.612	19.9	1,250	<0.288	3,510	<2.19	<2.96	<2.96	<2.96
SB-17	1-2	4/20/2017	2,480	301	0.013 J	0.542	5.23	852	<0.26	440	<2.76	<2.64	<5.28	<5.28
	11-12	4/5/2017	3,300	108	0.0156 J	0.771	7.51	1,420	<0.326	9,120	<2.37	80.3	9.04	89.3
	21-22	4/5/2017	4,710	128	0.0245	0.267 J	15.5	1,680	<0.318	3,780	<2.47	<3.12	4.35 J	4.35
	26-27	4/5/2017	3,360	203 J	0.00932 J	3.47	9.28 J	530 J	<0.272	2,110 J	<2.37	<2.71	3.69 J	3.69
SB-18	1-2	4/20/2017	4,040	1,330	0.00842 J	4	9.62	919	0.777 J	8,550	<3.31	<2.89	<5.79	<5.79
	14-15	4/10/2017	4,390	112	0.0409	1.4 J	13 J	1,590	0.309 J	4,690	<2.36	<2.97	4.23 J	4.23
	21-22	4/10/2017	2,830	91.8	0.0259	2.13	7.75	1,460	<0.293	3,760	<2.38	3 J	5.93	8.9
SB-19	1-2	3/30/2017	3,410	324	0.402 J	1.05	11.5	1,200	<0.281	1,240	<2.35	6.74	17.1	23.8
	13-14	3/27/2017	3,250	105	0.00978 J	<0.634	17.7	1,130	<0.288	2,150	<2.99	<2.82	<2.82	<2.82
	17-18	3/27/2017	3,240	100	0.025	1.3	16.1	1,170	<0.281	1,320	<3.02	<2.76	2.89 J	2.89
MW-11	1-2	4/4/2017	2,220	1,410	<0.0039	1.77	7.08	416	<2.12	2,240	<2.47	<2.72	5.05 J	5.05
	29-30	3/31/2017	2,560	211	0.0053 J	0.752	11	576	<0.255	501	<2.38	6.47	8.63	15.1
MW-12	1-2	4/4/2017	3,470	386	0.251	1.16	9.32	704	<0.287	2,920	<2.24	<2.84	6.18	6.18
	10-11	3/30/2017	3,570	59.7	0.0269	<0.521	13.6	1,300	<0.27	4,660	<2.42	<2.85	<2.85	<2.85
	16-17	3/30/2017	4,120	154	0.00601 J	<0.534	15.9	1,280	<0.276	3,050	<2.45	10.2	5.71	15.9
MW-13	1-2	4/4/2017	3,160	2,170	0.121	1.25	8.95	911	<0.271	5,060	<2.41	3.92 J	6.74	10.66
	10-11	3/28/2017	2,190	300	<0.00331	0.929	3.77	377	<0.253	<330	<2.42	<2.49	2.7 J	2.7
	19-20	3/28/2017	2,890	1,310	0.00519 J	1.94	8.36	675	<0.283	2,300	<2.41	<2.79	2.9 J	2.9
	29-30	3/28/2017	4,020	476	0.0249	1.71	22.5	1,280	0.636 J	7,000	48.2	50.3	3.75 J	102.3
	34-35	3/28/2017	4,270	122	<0.00363	0.206 J	9.62	1,640	<0.273	7,800	<2.45	<2.7	2.77 J	2.77
MW-14	1-2	4/19/2017	3,970	282	0.0286	0.751	9.34	1,660	0.993 J	8,320	<4.12	4.07 J	<7.08	4.07
	15-16	4/20/2017	3,950	695	0.0256	0.836	16.1	1,300	<0.255	2,940	<2.88	7.18	3.46 J	10.64
	20-21	4/10/2017	4,030	137	0.0389	0.751	18.5	1,550	<0.295	6,570	22.4	24.5	4.02 J	50.9
	25-26	4/10/2017	4,170	171	0.0216	1.58	11.4	1,450	<0.259	8,460	<2.95	5.78	5.18 J	10.96
MW-15	1-2	4/19/2017	4,120	423	0.0334	1.2 J	11.2	1,570 J	0.523 J	13,600	<3.22	4.13 J	<7.94	4.13
	9-10	4/12/2017	3,620	84.7	0.0653	2.02	12.2	1,750	<0.3	8,900	1,910	1,000	18	2,928
	14-15	4/12/2017	2,690	97.6	0.0524	2.49	7.65	1,250	<0.286	5,440	472	177	4.93 J	654
	26-27	4/12/2017	3,010	98.1	0.0306	2.76	8.72	1,420	<0.301	7,400	124	21.4	6.39	151.8
MW-16	1-2	4/17/2017	5,130	256	0.0164 J	1.2	10.7	1,470	<0.252	8,470	<3.08	12.7	12.6	25.3
	10-11	4/12/2017	3,390	135	0.024	1.17	14.7 J	1,660	0.833 J	15,600	<3.62	19.6	6.64	26.24
	14-15	4/12/2017	2,410	473	<0.00391	2.04	15.9	602	<0.266	5,280	<3.05	<2.73	3.15 J	3.15
MW-17	0-1	1/28/2019	--	442	<0.00387	0.978	9.4	--	0.293	--	<3.22 J	76.9 J	81.2 J+	158.1
	9-10	1/28/2019	--	4090 J	<0.00391	6.49	10.9	--	2.22	--	3490	100 J	6.31	3,596

Table 5
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Location	Sample Depth (ft bgs)	Date (mm/dd/yyyy)	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Total BTEX	Chloride	Aluminum	Arsenic	Barium	Boron	Calcium	Cadmium	Chromium	Cobalt	Iron	Lead
NMOCD Recommended Remediation Action Level ² (mg/kg)			10	NE	NE	NE	50 ³	600	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)			87.2	61,110	365	4,237	NE	NE	1,285,451	35.88	254,671	259,431	40,555,556	1,108	504.62	388	908,444	NE
MW-18	0-1	1/28/2019	<0.00096	<0.0021	<0.00155	<0.00172	<0.0021	--	15,700	4.75	176	<2.54	--	0.36	7.28	9.76	17,800	15.2
	10-11	1/28/2019	<0.000836	<0.00183	<0.00135	<0.0015	<0.00183	--	13,500	9.34	89.3	<1.73	--	0.389	8.84	31.9	30,000	19.2
	19-20	1/28/2019	<0.000748	<0.00164	<0.00121	<0.00134	<0.00164	--	13,000	5.5	24.6	<1.69	--	0.31	8.68	11.5	22,900	12.4
MW-19	0-1	1/28/2019	<0.000705	<0.00154	<0.00114	<0.00126	<0.00154	--	9,740	2.48	44.8	3.27 J-	--	0.226 J	5.86 J	5.27 J	13,300	9.16
	10-11	1/29/2019	<0.000745	<0.00163	<0.00121	<0.00134	<0.00163	--	12,600	6.44	32.3 J+	1.94 J-	--	0.287	6.93	6.97	18,700	17.9
	18-19	1/29/2019	<0.00162	<0.00159	<0.00118	<0.0013	<0.00159	--	9,360	5.88	55.4	1.45 J	--	0.597	5.7	9.98	20,700	11.9
MW-20	0-1	1/29/2019	<0.000808	<0.00177	<0.00131	<0.00145	<0.00177	--	9,620	3.02	277	3.85 J	--	0.198 J	6.15	14.3	14,100	9.85
	10-11	2/1/2019	<0.000653	<0.00143	<0.00106	<0.00117	<0.00143	--	8,100	4.29	80	<1.28	--	0.211 J	4.42	4.7	15,100	8.37
	19-20	2/1/2019	<0.000668	<0.00146	<0.00108	<0.0012	<0.00146	--	13,400	4.14	29.8	<1.67	--	0.45	6.46	4.69	19,500	13.4
	29-30	2/1/2019	<0.000685	<0.0015	<0.00111	<0.00123	<0.0015	--	7,640	7.93 J	30.8	<1.48 J	--	0.301 J	5.15 J	6.06	20,500	8.53
MW-21	0-1	1/29/2019	<0.000704	<0.00154	<0.00114	<0.00126	<0.00154	--	11,700	4.39	70.6	2.69 J	--	0.36	6.87	8.45	19,200	14.6
	10-11	1/31/2019	0.00473 J	0.769	<0.00155	7.96	8.73	--	14,300	3.17	72.7	2.66 J	--	0.345	6.21	9.14	25,000	21.4
	19-20	1/31/2019	3.43	141	0.222 J	1,460	1,604	--	6,320	0.974 J	43.9	1.88 J	--	0.203 J	1.97	3.13	11,900	14.5
MW-22	0-1	1/29/2019	<0.000699	<0.00153	<0.00113	<0.00125	<0.00153	--	10,100	3.79	155	<1.51	--	0.284 J	5.68	9.16	16,400	10.6
	10-11	2/2/2019	1.76	13.4	0.189 J	53.8	69.2	--	10,800	2.3	49.4	1.72 J	--	0.525	5.74	6.98	33,100	7.34
	18-19	2/2/2019	13.4 J	29.6 J	19.8 J	251 J	313.8	--	9,370	1.48	77.4	2.41 J	--	0.303	3.87	7.34 J	17,000	9.3
MW-23	0-1	1/29/2019	<0.000706	<0.00155	<0.00114	<0.00127	<0.00155	--	10,600	3.63	188	2.16 J	--	0.287	5.50	12.1	17,200	12.1
	10-11	2/2/2019	<0.000804	<0.00176	<0.0013	<0.00144	<0.00176	--	10,200	4.15	120 J+	5.92 J-	--	<0.0801	5.49	6.25	18,800	11.1
	19-20	2/2/2019	<0.001	<0.0022	<0.00163	<0.0018	<0.0022	--	20,500	5.19	58.8	2.88 J	--	0.425	6.35	35.30	24,500	27.6
	29-30	2/2/2019	<0.000591	<0.00129	<0.000957	<0.00106	<0.00129	--	6,090	2.91	165	<1.48	--	0.181 J	3.01	7.49	12,200	7.95
	39-40	2/2/2019	<0.000704	<0.00154	<0.00114	<0.00126	<0.00154	--	14,500	4.2	103	2.18 J	--	0.303	3.60	9.54	16,300	17.3
MW-24	17.5-20	7/22/2021	0.011	0.0036 J	0.00062 J	0.0021 J	0.01732	7.0 J	16,000	3.4	58 F1,J-	3.1 J,F1,J-	--	<0.25	7.3	3.8	24,000	9.9
	20-22.5	7/22/2021	0.0040	0.011	0.0017	0.0093	0.0260	12 J	11,000	3.1	80	2.1 J	--	<0.28	5.9	4.8	17,000	14
MW-25	9-11	7/22/2021	0.00038 J	0.0015 J	<0.00038	0.0011 J	0.00298	13	5,300	2.0	26	<0.66	--	<0.26	3.8	5.3	11,000	4.4
	13-15	7/22/2021	0.00046 J	0.0019 J	<0.00041	0.0015 J	0.00386	12	8,300	2.4	25	2.1 J	--	<0.27	7.7	5.5	17,000	7.2
	19-21	7/22/2021	0.0020	0.0076	0.0016	0.0094	0.0206	13	9,500	1.2	30	1.0 J	--	<0.22	4.8	14	17,000	10
	38-39	7/22/2021	0.15	0.79	0.18	2.2	3.3	25	19,000	5.5	100	3.5 J	--	<0.26	6.9	11	26,000	16
MW-26	23-25	7/23/2021	0.020	0.056	0.0061	0.036	0.118	21	15,000	14	23	2.2 J	--	<0.25	6.7	25	29,000	20
	49-51	7/23/2021	0.0083	1.2	0.10	5.2	6.5	15	14,000	2.2	46	1.9 J	--	<0.23	4.5	3.7	21,000	13
MW-27	10-11	7/26/2022	<0.0055	<0.0055	<0.0055	<0.011	<0.011	<22	9,900 B	7.3	320	<11	--	<0.53	8.0	25	17,000 B	13
	29-30	7/26/2022	<0.0056	<0.0056	<0.0056	<0.011	<0.011	<22	13,000 B	6.0	150	<11	--	<0.55	8.1	15	23,000 B	12
	43-44	7/27/2022	<0.0059	<0.0059	<0.0059	<0.012	<0.012	<23	20,000	4.1	67	<11	--	<0.56	9.2	10	27,000	9.7
MW-28	11-12	7/27/2022	<0.0051	<0.0051	<0.0051	<0.010	<0.010	<21	10000 B	13	170	<10	--	<0.51	8.4	13	22,000 B	15
	20-21	7/27/2022	<0.0055	<0.0055	<0.0055	<0.011	<0.011	<22	11,000	1.7	92	<10	--	<0.50	7.2	6.5	21,000	8.3
	31-32	7/27/2022	<0.0055	<0.0055	<0.0055	<0.011	<0.011	<22	18,000	3.7	110	<11	--	<0.54	9.5	8.5	19,000	15
	50-51	7/27/2022	1.1	1.7	12	18	32.8	65	20,000	4.4	150	<11	--	<0.53	8.7	13	22,000	20
MW-29	25-26	7/28/2023	<0.00073	<0.0011	<0.00067	<0.0021	<0.0021	12 J	17,000	6.0	70	<4.4	--	0.58 J	14	23	27,000	19
	28-29	7/28/2023	<0.045	<0.067	0.54	3.6	4.1	3.1 J	14,000	3.5	110	<4.0	--	<0.095	8.3	8.5	25,000	9.8
	34-35	7/28/2023	<0.00087	<0.0013	0.0020 J	0.0096 J	0.0116 J	6.6 J	18,000	2.9	210	<4.5	--	0.11 J	8.4	9.8	22,000	14
MW-30	16-17	10/19/2023	<0.00085	0.0018 J	<0.00077	<0.0024	0.0018 J	15 J	8,800	4.0	170	<9.4	--	<0.25	9.3	4.3	13,000	8.6
	26-27	10/19/2023	<0.00071	<0.0011	<0.00065	<0.0020	<0.0020	20 J	5,400	2.3	470	<7.8	--	<0.20	9.1	4.6	12,000	3.7
	44-45	10/19/2023	<0.00078	<0.0012	<0.00071	<0.0022	<0.0022	41	25,000	4.2	34	<8.6	--	<0.23	11	20	24,000	18
	59-60	10/19/2023	<0.00075	<0.0011 F1	<0.00068 F1	<0.0021 F1	<0.0021	40	24,000	4.9	66	8.3 J	--	0.28 J	10	11	23,000	17

Table 5
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Location	Sample Depth (ft bgs)	Date (mm/dd/yyyy)	Magnesium	Manganese	Mercury	Molybdenum	Nickel	Potassium	Selenium	Sodium	Gasoline Range Organics [C6-C10]	Diesel Range Organics [C10-C28]	Oil Range Organics [C24-C40]	Total Petroleum Hydrocarbons
NMOCD Recommended Remediation Action Level ² (mg/kg)			NE	NE	NE	NE	NE	NE	NE	NE	100	100	100	100
New Mexico Industrial/Occupational Soil Screening Criteria ¹ (mg/kg)			5,677,778	160,183	111	6,489	25,682	76,244,444	6,489	37,311,111	500	3,000	3,000	NE
MW-18	0-1	1/28/2019	--	446	0.0115 J	0.971	10.6	--	<0.296	--	<3.15	<2.93	5.43 J	5.43
	10-11	1/28/2019	--	261	0.0846	3.07	11.4	--	<0.292	--	<3.31	<2.92	3.82 J	3.82
	19-20	1/28/2019	--	132	0.0342	1.28	16.2	--	<0.286	--	<3.06	3.13 J	4.48 J	7.61
MW-19	0-1	1/28/2019	--	235 J+	0.00611 J	2.54	5.59 J	--	<0.316	--	<3.43	11.8	7.14	18.94
	10-11	1/29/2019	--	75.1	0.0232	0.411 J	9.33	--	<0.292	--	<3.15	<3	5.46 J	5.46
	18-19	1/29/2019	--	141	0.0155 J	1.17	11.8	--	<0.303	--	<3.36	<2.96	4.33 J	4.33
MW-20	0-1	1/29/2019	--	232	<0.00414	0.873	7.74	--	<0.284	--	<3.13	2.98 J	5.12 J	8.1
	10-11	2/1/2019	--	57.1	<0.00392	1.42	5.35	--	<0.28	--	<2.91	<2.78	3.58 J	3.58
	19-20	2/1/2019	--	169	<0.00394	0.252 J	12.8	--	<0.278	--	<3.05	<2.81	3.68 J	3.68
	29-30	2/1/2019	--	82.2 J	<0.00882	1.43 J	4.4	--	<0.274 J	--	3.19 J	2.18 J	4.76 J	10.13
MW-21	0-1	1/29/2019	--	249	0.0361	1.91	9.37	--	<0.311	--	<3.68	3.68 J	7.05	10.73
	10-11	1/31/2019	--	121	0.0476	1.35	6.11	--	0.305 J	--	134	20.8	6.18	160.98
	19-20	1/31/2019	--	74.8	0.0328	<0.532	2.01	--	<0.31	--	3,280	1,560	7.8	4,848
MW-22	0-1	1/29/2019	--	2,260	<0.00424	0.829	9.73	--	<0.3	--	<3.32	<3	4.8 J	4.8
	10-11	2/2/2019	--	97.1	0.0218	0.592 J	4.99	--	<0.289	--	804	89.6	3.21 J	896.81
	18-19	2/2/2019	--	98.3	<0.00387	0.932	6.41	--	<0.286	--	2,560	430 J	4.03 J	2,994
MW-23	0-1	1/29/2019	--	908	<0.00383	0.915	10.4	--	<0.286	--	<2.93	<2.81	5.19 J	5.19
	10-11	2/2/2019	--	54.1	0.026	0.924	5.69	--	<0.305	--	<3.2 J	<3.06	3.31 J	3.31
	19-20	2/2/2019	--	247	0.0251 J	0.947	12.8	--	<0.4	--	<5.22	<4.11	6.11 J	6.11
	29-30	2/2/2019	--	150	<0.00359	1.55	6.05	--	<0.254	--	2.82 J	<2.54	3.78 J	6.6
	39-40	2/2/2019	--	140	0.0452	0.629	13.4	--	<3.01	--	3.75 J	<2.97	4.79 J	8.54
MW-24	17.5-20	7/22/2021	--	98 F1,J-	0.068 B	0.41 J	5.4	--	<0.53	--	<2.8	<2.7	<3.8	<3.8
	20-22.5	7/22/2021	--	110	0.039 B	0.50 J	7.2	--	1.6 J,B,J+	--	<3.2	<3.1	<4.3	<4.3
MW-25	9-11	7/22/2021	--	180	0065 J,B,J	0.56 J	4.5	--	1.1 J,B,J+	--	<2.8	<2.7	<3.8	<3.8
	13-15	7/22/2021	--	210	0067 J,B,J	0.82 J	4.7	--	<0.56	--	<3.0	<3.0	<4.1	<4.1
	19-21	7/22/2021	--	150	0.021 B,J+	<0.097	7.5	--	<0.46	--	<2.8	<2.7	<3.7	<3.7
	38-39	7/22/2021	--	170	0.042 B	1.7	15	--	1.3 J,B,J+	--	47	6.3 J	6.9 J	60.2
MW-26	23-25	7/23/2021	--	220	0.062 F2,J	1.8	16	--	1.8 J,B,J+	--	<2.9	<2.8	<3.9	<3.9
	49-51	7/23/2021	--	160	0.036	1.5	5.6	--	<0.49	--	91	12	<3.9	103
MW-27	10-11	7/26/2022	--	830	0.025	1.4	22	--	<2.1	--	<0.11	<5.4	<5.4	<5.4
	29-30	7/26/2022	--	220	0.021	1.2	12	--	<2.2	--	<0.11	<5.5	<5.5	<5.5
	43-44	7/27/2022	--	200	0.031	2.3	14	--	<2.2	--	<0.11	60	55	115
MW-28	11-12	7/27/2022	--	68	0.025	2.4	10	--	<2.0	--	<0.099	<5.2	<5.2	<5.2
	20-21	7/27/2022	--	86	0.021	<1.0	10	--	<2.0	--	<0.10	<5.3	<5.3	<5.3
	31-32	7/27/2022	--	83	0.042	<1.1	11	--	<2.2	--	<0.11	<5.3	<5.3	<5.3
	50-51	7/27/2022	--	130	0.052	2.7	16	--	<2.1	--	560	390 F1,F2	130	1,080
MW-29	25-26	7/28/2023	--	440	0.049 F1	2.0	35	--	<1.0	--	27	24	<2.3	51
	28-29	7/28/2023	--	65	0.027	1.1	5.4	--	<0.94	--	840	520	<2.2	1,360
	34-35	7/28/2023	--	140	0.027	0.59 J	9.2	--	<1.1	--	340	110	<2.4	450
MW-30	16-17	10/19/2023	--	280	<0.012	<0.36	6.0	--	<1.1	--	<0.060	8.5	22	30.5
	26-27	10/19/2023	--	320	<0.0099	1.4 B J+	4.3	--	<0.89	--	<0.052	2.1 J	5.6	7.7 J
	44-45	10/19/2023	--	190	0.036	<0.33	14	--	<0.99	--	<0.056	<2.2	<2.2	<2.2
	59-60	10/19/2023	--	160	<0.010	<0.31	12	--	<0.94	--	<0.055	34	31	65

Table 5
Summary of Soil Analytical Results
San Juan River Gas Plant, Kirtland, New Mexico

Notes:

Bolded text indicates a detected concentration.

Highlighted cells and bolded text indicates the concentration exceeded screening criteria or the action level.

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

-- = Sample not analyzed.

¹ = New Mexico Environment Department, (NMED) Risk Assessment Guidance for Site Investigations and Remediation, Volume 1, 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 groundwater at the site is less than 50 feet bgs, which generates a Total Ranking Score of 20 which 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 benzene, toluene, ethylbenzene and xylene (BTEX) compounds.

B = The compound was found in the blank and the sample.

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

F2 = MS/MSD RPD exceeds control limits.

ft bgs = feet below ground surface.

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

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

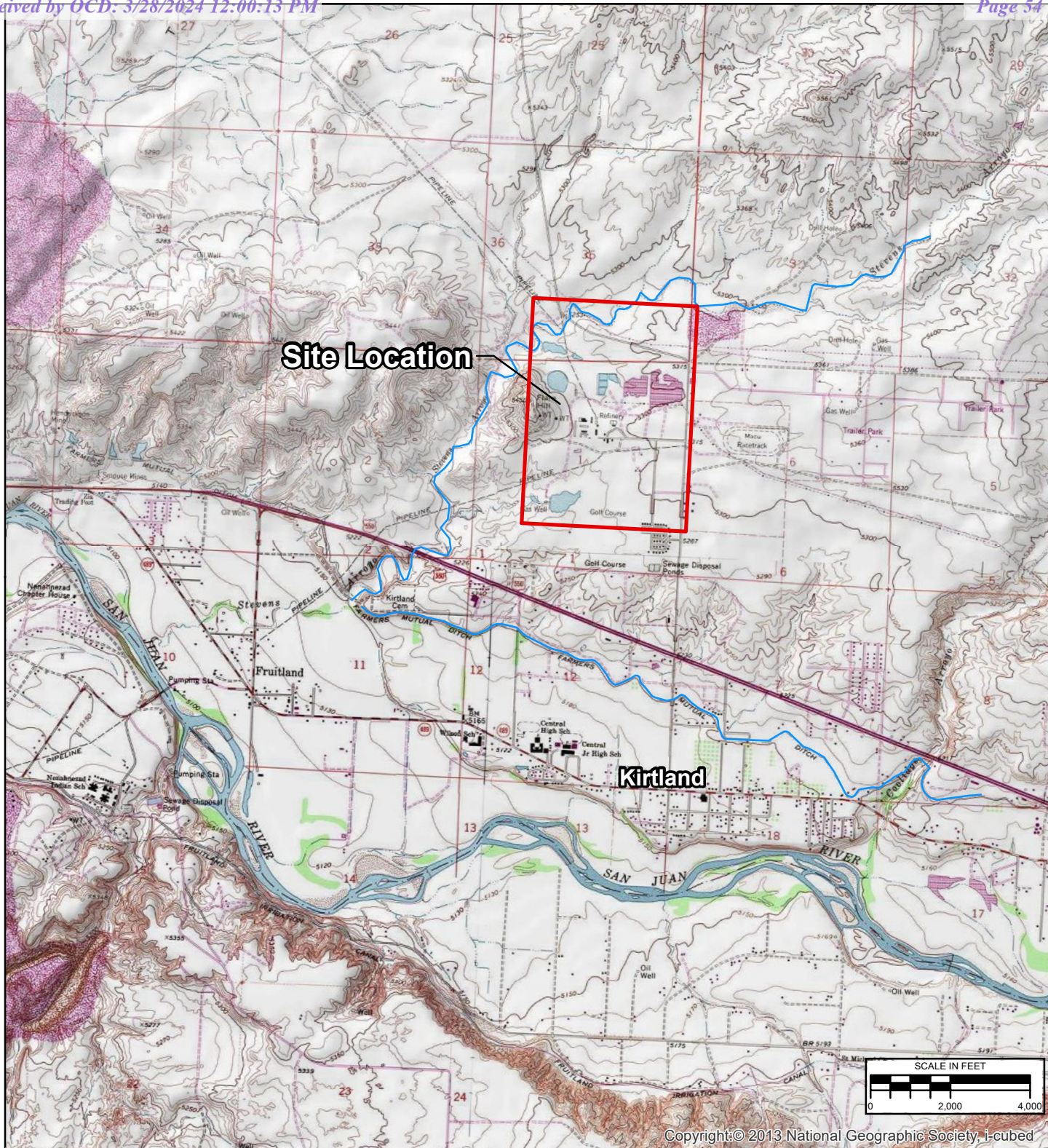
J- = The analyte was positively identified and the quantitation is an estimation with a potential low bias.

mg/kg = milligram(s) per kilogram.

NE = Not established.

NMOCD = New Mexico Oil Conservation Division.

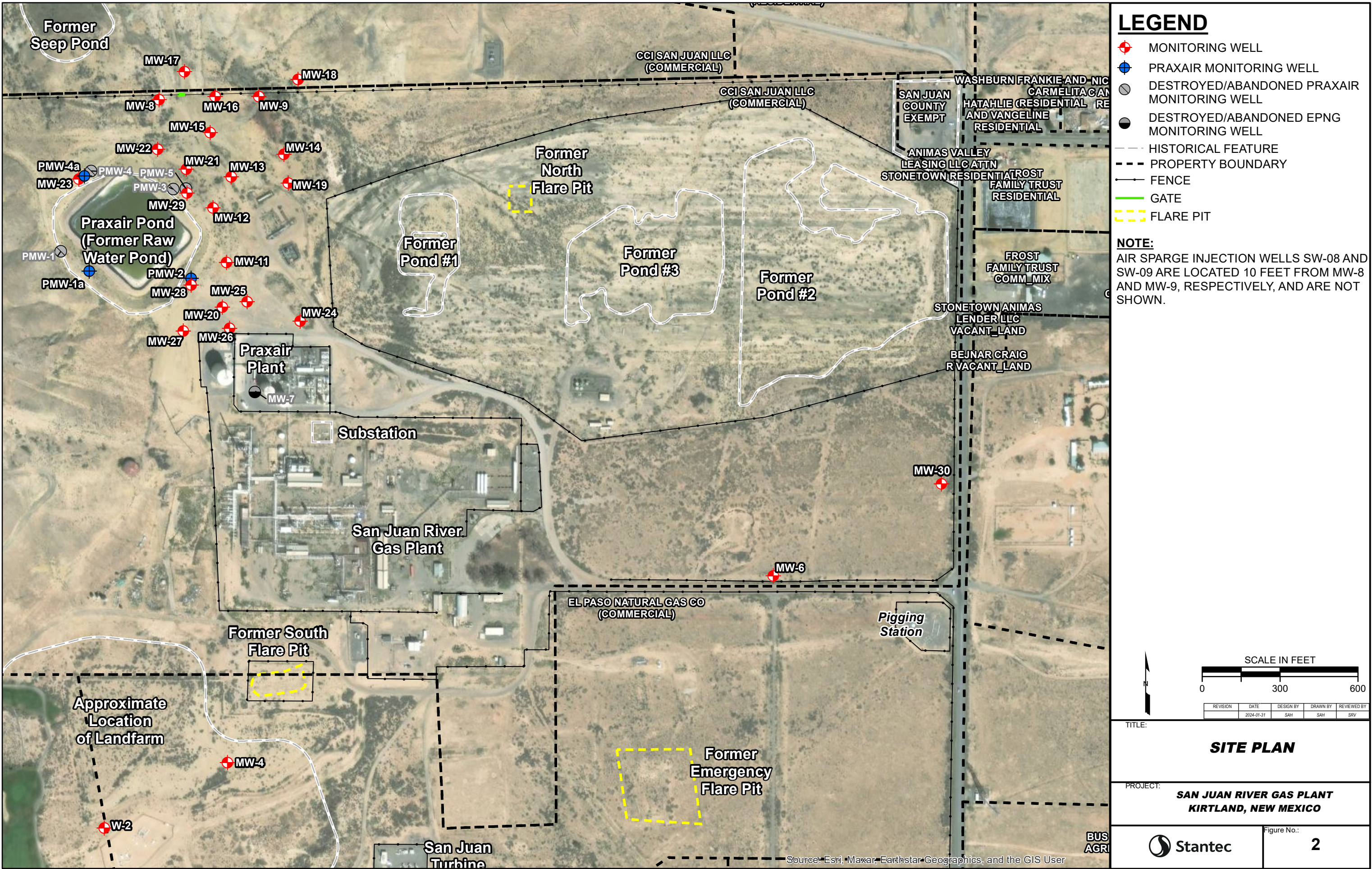
FIGURES



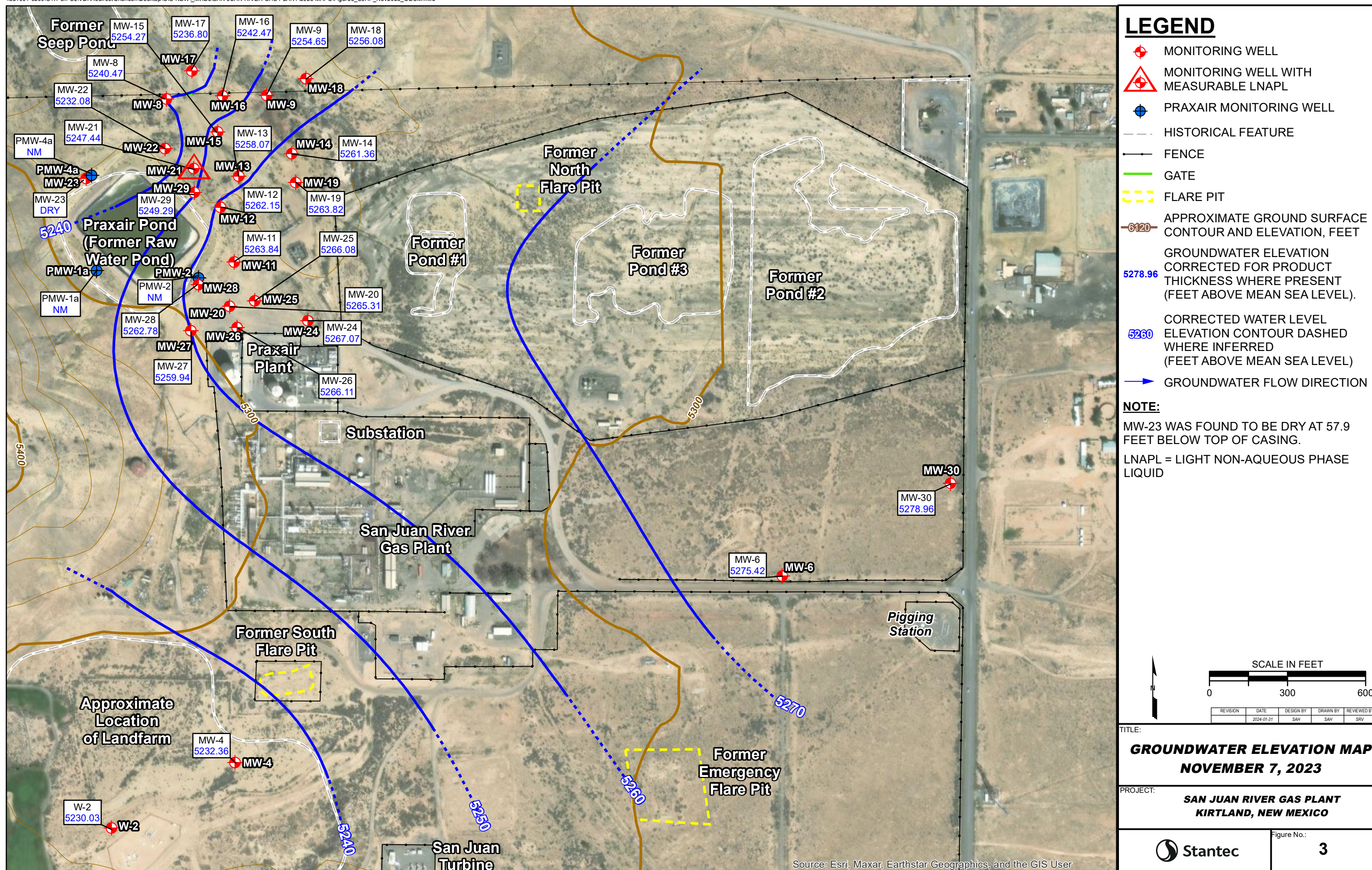
REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2/9/2021	SLG	SLG	SRV

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

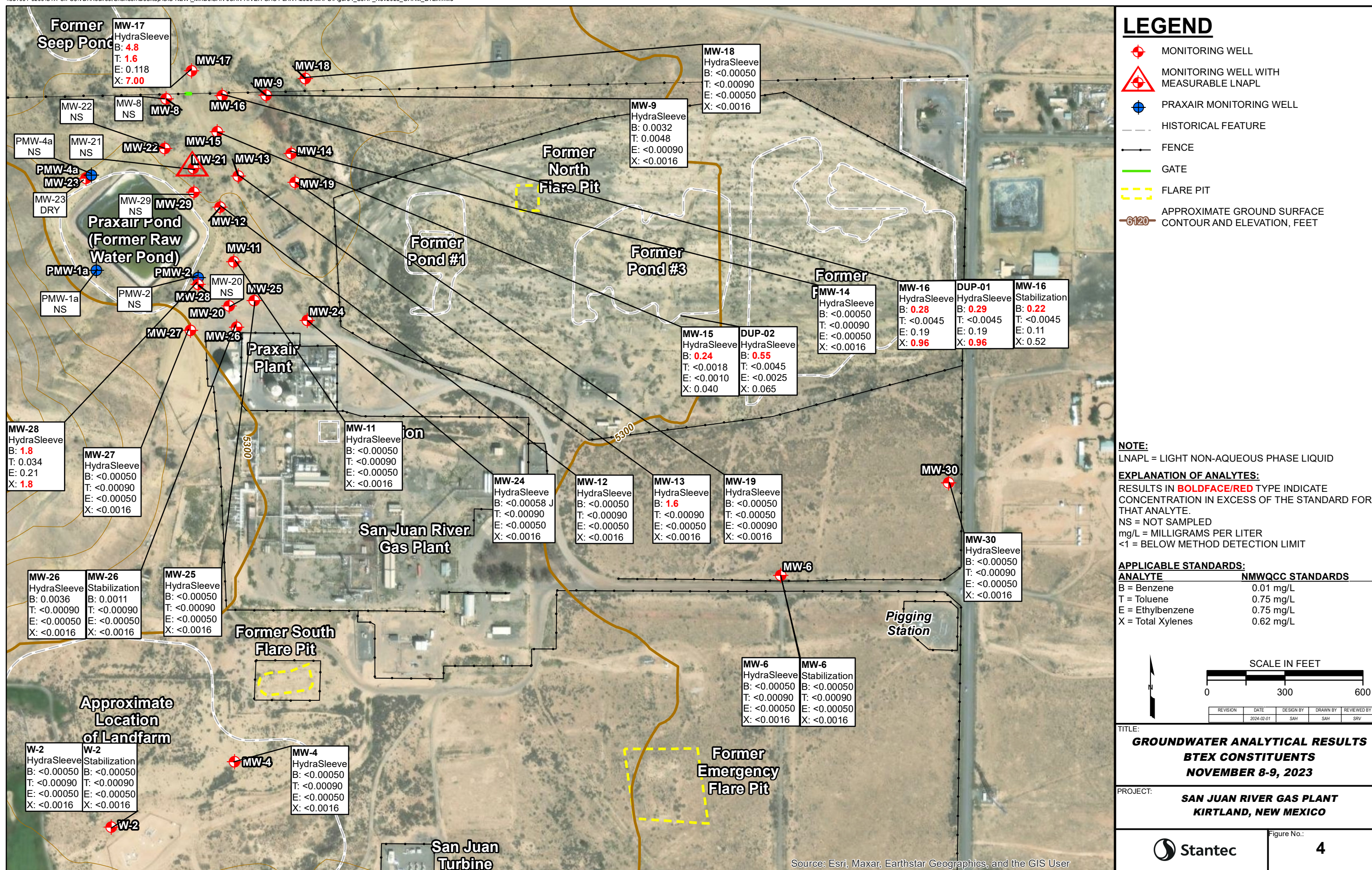
\\cd1001-c2001CTX-CIFSS\VDI\Redirec\shansen\Desktop\GIS-NEW_MXD\SI\SAN JUAN RIVER GAS PLANT\2023 MAPS\Figure2_SJRP_Site_Map.mxd



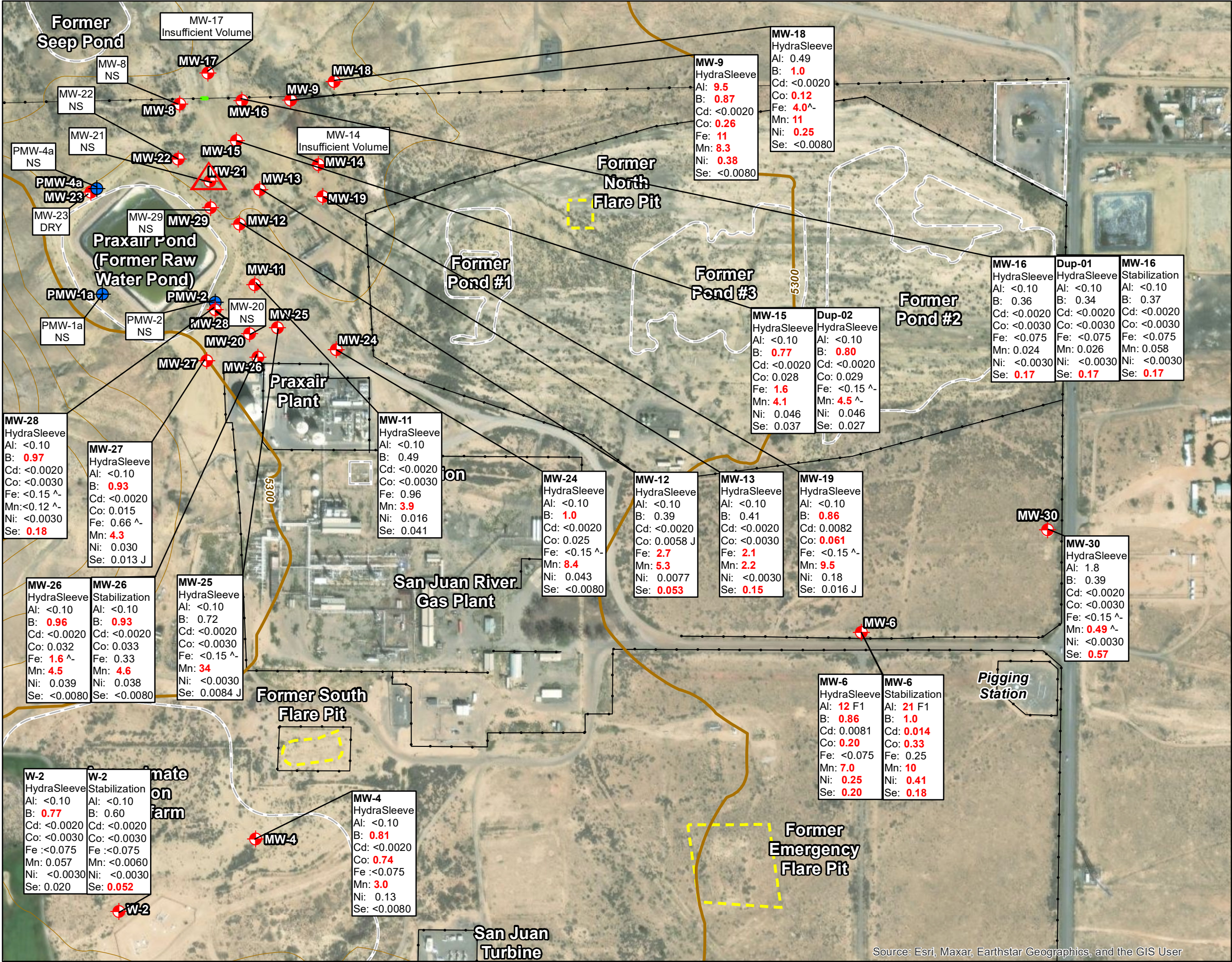
\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\ MXDs\SAN JUAN RIVER GAS PLANT\2023 MAPS\Figure3 SJRP Nov2023 GECM.mxd



\\cd1001-c200\CTX-C\ESS\VDI\Redirect\shansen\Desktop\GIS-NEW\ MXDs\SAN JUAN RIVER GAS PLANT\2023 MAPS\Figure4_S\JRP_Nov2023_GARM_BTEx.mxd



\\cd1\001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\MXD\SI\SAN JUAN RIVER GAS PLANT\2023 MAPS\Figure5_SJRP_Nov2023_GARM_DissMetals.mxd



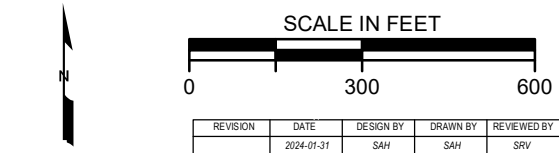
LEGEND

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

NOTE:
MW-23 WAS FOUND TO BE DRY AT 60.50 FEET BELOW TOP OF CASING.
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES:
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
^ = CONTINUING CALIBRATION VERIFICATION (CCV) IS OUTSIDE ACCEPTANCE LIMITS, LOW BIASED.
^+ = CONTINUING CALIBRATION VERIFICATION (CCV) IS OUTSIDE ACCEPTANCE LIMITS, HIGH BIASED.
B = COMPOUND WAS FOUND IN THE BLANK AND SAMPLE
mg/L = MILLIGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

APPLICABLE STANDARDS:	
ANALYTE	NMWQCC 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



TITLE:
**GROUNDWATER ANALYTICAL RESULTS
DISSOLVED METALS
NOVEMBER 8-9, 2023**

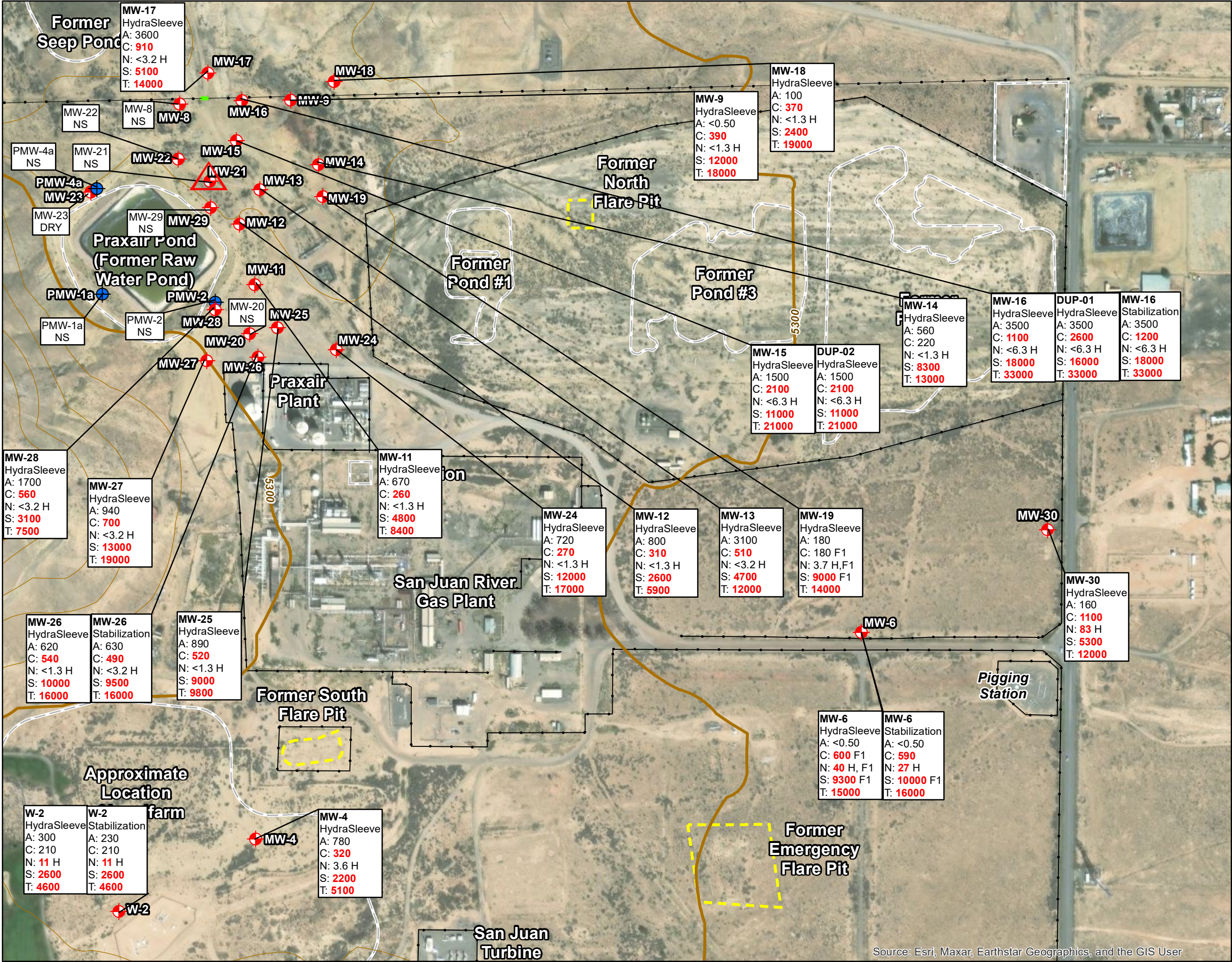
PROJECT:
**SAN JUAN RIVER GAS PLANT
KIRTLAND, NEW MEXICO**

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Figure No.:
5

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

\\cd1001-c200\CTX-CIF\SS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXD\SI\SAN JUAN RIVER GAS PLANT\2023 MAPS\Figure6_SJRP_Nov2023_GARM_Inorganics.mxd



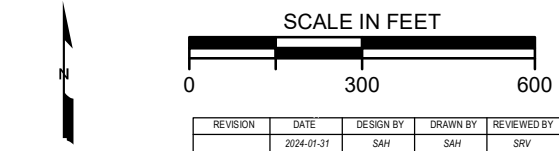
LEGEND

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

NOTE:
MW-23 WAS FOUND TO BE DRY AT 60.50 FEET BELOW TOP OF CASING.
LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID

EXPLANATION OF ANALYTES:
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
^ = CONTINUING CALIBRATION VERIFICATION (CCV) IS OUTSIDE ACCEPTANCE LIMITS, LOW BIASED.
^+ = CONTINUING CALIBRATION VERIFICATION (CCV) IS OUTSIDE ACCEPTANCE LIMITS, HIGH BIASED.
B = COMPOUND WAS FOUND IN THE BLANK AND SAMPLE
mg/L = MILLIGRAMS PER LITER
<1 = BELOW METHOD DETECTION LIMIT

APPLICABLE STANDARDS:	
ANALYTE	NMWQCC 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



TITLE:
**GROUNDWATER ANALYTICAL RESULTS
INORGANICS
NOVEMBER 8-9, 2023**

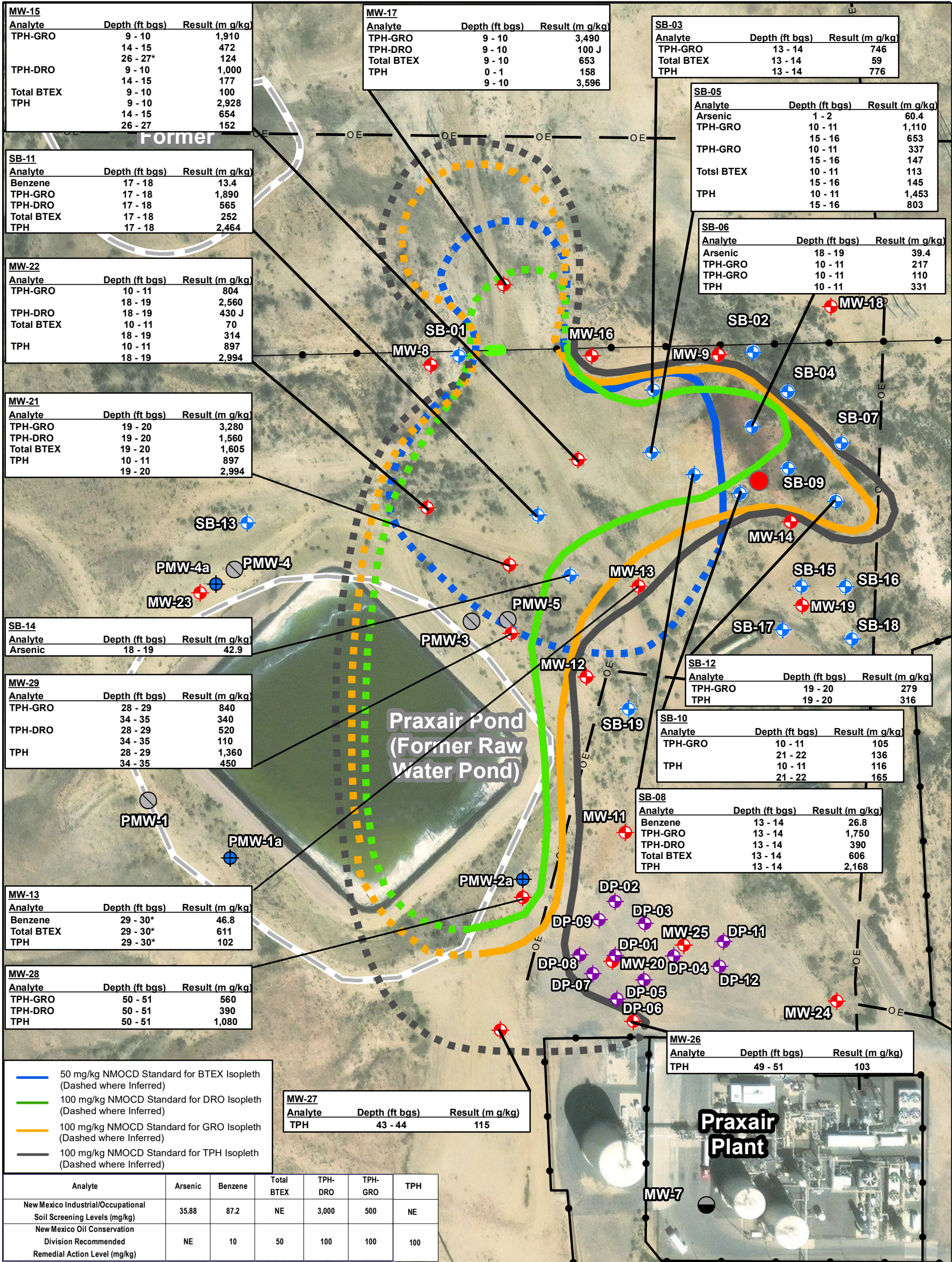
PROJECT:
**SAN JUAN RIVER GAS PLANT
KIRTLAND, NEW MEXICO**



Figure No.:
6

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

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW\MXD\San Juan River Gas Plant\2023 MAPS\Figure7_SJRP_Soil_Exceedance_Map.mxd



LEGEND

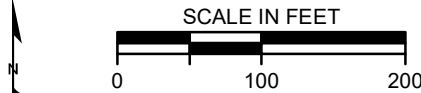
- MONITORING WELL
- PRAXAIR MONITORING WELL
- 2017 SOIL BORINGS
- 2022 SOIL BORINGS
- DESTROYED/ABANDONED PRAXAIR MONITORING WELL
- DESTROYED/ABANDONED EPNG MONITORING WELL
- HISTORICAL FEATURE
- OVERHEAD ELECTRIC
- FENCE
- CONDENSATE DISCHARGE

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
NMOCD = New Mexico Oil Conservation Division
* = the sample was collected below the water table
TPH = total petroleum hydrocarbons

Soil boring or monitoring well locations without concentration data either did not have any NMOCD exceedances for the constituents depicted, or were not sampled.

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



REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2024-01-31	SAH	SAH	SRV

TITLE: **SOIL EXCEEDANCE MAP**

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

Figure No.: **7**

Stantec

APPENDICES

APPENDIX A

NMOCD Notification of Site Activities

From: [Varsa, Steve](#)
To: nelson.valez@state.nm.us
Cc: [Bratcher, Mike, 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, March 22, 2023 9:47:37 PM

Hi Nelson -

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 28, 2023.

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

Thank you,
Steve

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

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From: [Varsa, Steve](#)
To: nelson.valez@state.nm.us
Cc: [Bratcher, Mike, 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: Friday, May 12, 2023 10:02:03 PM

Hi Nelson -

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 17, 2023.

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

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
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From: [Varsa, Steve](#)
To: nelson.valez@state.nm.us
Cc: [Bratcher, Mike, EMNRD](#); [Wiley, Joe](#)
Subject: San Juan River Plant (Incident Number NAUTOFRM000157) - Notice of upcoming site activities
Date: Thursday, July 20, 2023 9:13:01 PM

Hi Nelson, on behalf of El Paso Natural Gas Company (EPNG), Stantec is conducting monitoring well installation activities at the subject site beginning on July 28, 2023, and expected to go through July 30, 2023. A work plan for these activities has been submitted in the e-permitting portal.

Please feel free to contact Joe Wiley, with EPNG, if you have need anything further.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
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From: [Varsa, Steve](#)
To: nelson.valez@state.nm.us
Cc: [Bratcher, Mike, 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, August 16, 2023 4:25:29 PM

Hi Nelson -

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 August 28, 2023.

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

Thank you,
Steve

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

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From: [Varsa, Steve](#)
To: nelson.valez@state.nm.us
Cc: [Bratcher, Mike, EMNRD](#); [Wiley, Joe](#)
Subject: FW: San Juan River Plant (Incident Number NAUTOFRM000157) - Notice of upcoming site activities
Date: Wednesday, October 4, 2023 4:58:30 PM

Hi Nelson – Stantec is planning to return to this site the week of October 16, 2023, to complete the well installation activities described below. Site access and other complications to drilling these wells forced us to suspend this work in July.

Please feel free to contact Joe Wiley, with EPNG, if you need anything further.

Thank you,
Steve

From: Varsa, Steve
Sent: Thursday, July 20, 2023 9:13 PM
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Wiley, Joe <Joe_Wiley@kindermorgan.com>
Subject: San Juan River Plant (Incident Number NAUTOFRM000157) - Notice of upcoming site activities

Hi Nelson, on behalf of El Paso Natural Gas Company (EPNG), Stantec is conducting monitoring well installation activities at the subject site beginning on July 28, 2023, and expected to go through July 30, 2023. A work plan for these activities has been submitted in the e-permitting portal.

Please feel free to contact Joe Wiley, with EPNG, if you have need anything further.

Thank you,
Steve

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

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From: [Varsa, Steve](#)
To: nelson.valez@state.nm.us
Cc: [Bratcher, Mike, EMNRD](#); [Wiley, Joe](#)
Subject: El Paso Natural Gas Company - San Juan River Gas Plant, Kirkland (Incident Number NAUTOFRM000157) - notice of upcoming groundwater sampling and product recovery activities
Date: Thursday, November 2, 2023 6:22:22 AM

Hi Nelson -

This correspondence is to provide notice to the NMOCD of planned groundwater sampling and product recovery activities at the above-referenced El Paso Natural Gas Company (EPNG) site. The site activities are to occur on November 7, 8 and 9, 2023.

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

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
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APPENDIX B

Waste Disposal Documentation



MANIFEST # 78465

POINT OF ORIGIN See notes San Juan

DATE 03/30/23 JOB # 14073-0073

[illegible]

RESULTS			LANDFARM EMPLOYEE <i>Cary Robinson</i>	NOTES <i>Vista Comp.</i>
<i>-251</i>	CHLORIDE TEST	<i>1</i>		
	CHLORIDE TEST		☐ Soil w/ Debris ☐ After Hours/Weekend Receipt ☐ Scrape Out ☐ Wash Out	
	CHLORIDE TEST		By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.	
<i>Pass</i>	PAINT FILTER TEST	<i>1</i>		

Generator Onsite Contact _____ Phone _____

Signatures required prior to distribution of the legal document.

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

BOL# 78465

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 03/30/23 TIME kin 1330 Attach test strip hereCUSTOMER Kinder Morgan.SITE SJ River Plant, Blanco North Flare Pit & otherDRIVER Markus DeHavenSAMPLE Soil Straight _____ With Dirt XCHLORIDE TEST -281 mg/KgACCEPTED YES X NO _____PAINT FILTER TEST Time started 1330 Time completed 1342PASS YES X NO _____SAMPLER/ANALYST Campbell

Bill of Lading

MANIFEST # 79427
GENERATOR Kinder Morgan
POINT OF ORIGIN Bio Vista Camp Station
TRANSPORTER Envirotech
DATE 5/22/2003 JOB # 14073-0073

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

[illegible]

Generator Onsite Contact Sean Cleary

Phone (515) 557-0109

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

BOL# 79427

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 5/22/2023 TIME 1550 Attach test strip hereCUSTOMER Kinder MorganSITE Bio Vista Comp Station *3/1 River Plant
Blanco N Plant
Numerous sites*DRIVER *[Signature]*

SAMPLE

Soil Straight With Dirt ✓

CHLORIDE TEST

-281 mg/Kg

ACCEPTED

YES ✓NO

PAINT FILTER TEST

Time started 1550Time completed 1600

PASS

YES ✓NO SAMPLER/ANALYST *[Signature]*

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


envirotech

Bill of Lading

MANIFEST # **80494**
 GENERATOR EL PASO
 POINT OF ORIGIN S.J. River Plant
 TRANSPORTER Riley
 DATE 07/28/23 JOB # 14073-0050

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLS	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	Hydrovac Cont Soil			15	-	-	16011	1245	<i>[Signature]</i>
-	BF	washout by Riley			5	-	-	16011	1245	<i>[Signature]</i>
					20					
RESULTS		LANDFARM EMPLOYEE		<i>Cary Robinson</i>				NOTES		
212	CHLORIDE TEST	1								
	CHLORIDE TEST									
	CHLORIDE TEST									
	PAINT FILTER TEST	1		☐ Soil w/ Debris ☐ After Hours/Weekend Reveal ☐ Scrape Out ☐ Wash Out By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.						

Generator Onsite Contact _____ Phone _____

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BOL# 80494

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 07/28/23 TIME 1245

Attach test strip here

CUSTOMER EL PASOSITE S.J. River PlantDRIVER [Signature]SAMPLE Soil Straight _____ With Dirt XCHLORIDE TEST 272 mg/KgACCEPTED YES [Signature] NO _____PAINT FILTER TEST Time started 1245 Time completed 1258PASS YES [Signature] NO _____SAMPLER/ANALYST [Signature]



Bill of Lading

MANIFEST # 80507
GENERATOR EL PASO
POINT OF ORIGIN SJ RIVER PLANT
TRANSPORTER RILEY
DATE 7/29/23 JOB # 14073-0079

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLs	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	BF	HYDROVAC CONT SOIL		—	10	—	50270	16011	1040	
—	BF	WASH OUT By RILEY		—	5	—	50270	16011	1040	
					15					
RESULTS		LANDFARM EMPLOYEE					NOTES			
-273	CHLORIDE TEST									
	CHLORIDE TEST		☐ Soil w/ Debris ☒ After Hours/Weekend Reveal ☐ Scrape Out ☐ Wash Out							
	CHLORIDE TEST		By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.							
Pass	PAINT FILTER TEST	1								

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

Signatures required prior to distribution of the legal document.

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

BOL# 80507

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 7/29/23 TIME 1040 Attach test strip hereCUSTOMER ELPASOSITE SJ RIVER PLANTDRIVER x [signature]SAMPLE Soil Straight ☒ With Dirt ☐CHLORIDE TEST -273 mg/KgACCEPTED YES ☒ NO ☐PAINT FILTER TEST Time started 1040 Time completed 1045PASS YES ☒ NO ☐SAMPLER/ANALYST [signature]

BOL# 80636

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 3/1/2023 TIME 1440

Attach test strip here

CUSTOMER El Paso Natural GasSITE San Juan River Gas PlantDRIVER Austin FoutsSAMPLE Soil Straight ☒ With Dirt ☐CHLORIDE TEST -273 mg/KgACCEPTED YES ☒ NO ☐PAINT FILTER TEST Time started 1440 Time completed 1455PASS YES ☒ NO ☐SAMPLER/ANALYST [Signature]

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

BOL# 81122

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 09/01/23 TIME _____ Attach test strip hereCUSTOMER Kinder MorganSITE San Juan River Plant,DRIVER Theresa FentezSAMPLE Soil Straight _____ With Dirt XCHLORIDE TEST 272 mg/KgACCEPTED YES X NO _____PAINT FILTER TEST Time started 1025 Time completed 1035PASS YES X NO _____SAMPLER/ANALYST Cary Robinson

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



envirotech

Bill of Lading

MANIFEST # 82104

GENERATOR El Paso

POINT OF ORIGIN San gas plant

TRANSPORTER Envinotech

DATE 10/23/23 JOB # 14073-0081

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY			
	DESTINATION	MATERIAL	GRID	YDS	BBLs	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE
1	LF2-5	Cont Soil	C39	4				965	1155	<i>[Signature]</i>
2	BF	tank Bottoms Liquid	E3		1			965	1155	<i>[Signature]</i>
				4	1					
RESULTS		LANDFARM EMPLOYEE <i>[Signature]</i>	NOTES 2 Soil Boxes 5 tote Gas can N 1							
-273	CHLORIDE TEST						1			
	CHLORIDE TEST									
	CHLORIDE TEST									
Pass	PAINT FILTER TEST	1	By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.							

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

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BOL# 82104

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 10/23/23 TIME 12:00 Attach test strip hereCUSTOMER Kinder Morgan El PasoSITE SJ Gas Plant statogascom N 1DRIVER Arto FoutzSAMPLE (Soil) Straight X With Dirt _____CHLORIDE TEST 273 mg/KgACCEPTED YES X NO _____PAINT FILTER TEST Time started 1200 Time completed 1212PASS YES X NO _____SAMPLER/ANALYST C. J. Foutz

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



envirotech

Bill of Lading

MANIFEST # 82579
GENERATOR EL PASO
POINT OF ORIGIN SJ River Gas Plant
TRANSPORTER Envirotech
DATE 11/16/23 JOB # 14073-0087

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

LOAD NO.	COMPLETE DESCRIPTION OF SHIPMENT						TRANSPORTING COMPANY				
	DESTINATION	MATERIAL	GRID	YDS	BBLs	DRUMS	TKT#	TRK#	TIME	DRIVER SIGNATURE	
1	BF	Tank bottoms			1	-	-	725	1430	<i>[Signature]</i>	
RESULTS		LANDFARM EMPLOYEE <i>[Signature]</i>	NOTES								
-272	CHLORIDE TEST										1
	CHLORIDE TEST			☐ Soil w/ Debris ☐ After Hours/Weekend Reveal ☐ Scrape Out ☐ Wash Out							
	CHLORIDE TEST			By signing as the driver/transporter, I certify the material hauled from the above location has not been added to or tampered with. I certify the material is from the above mentioned Generator/Point of Origin and that no additional material has been added or mixed into the load. Landfarm employee signature is certification of the above material being received and placed accordingly.							
Pass	PAINT FILTER TEST	1									

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

Signatures required prior to distribution of the legal document.

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

BOL# 82579

CHLORIDE TESTING / PAINT FILTER TESTING

DATE 11/16/23 TIME 1430

Attach test strip here

CUSTOMER EL PASOSITE ST River Gas PlantDRIVER Steven J McNealSAMPLE Soil Straight _____ With Dirt XCHLORIDE TEST -272 mg/KgACCEPTED YES X NO _____PAINT FILTER TEST Time started 1430 Time completed 1441PASS YES X NO _____SAMPLER/ANALYST [Signature]

APPENDIX C

Groundwater Sampling Technical Memo Comparison



Technical Memorandum

To:	Mr. Joseph Wiley El Paso CGP Company 1001 Louisiana Street, Suite 747 Houston, TX 70002	From:	Samantha Buss & Steve Varsa Stantec Consulting Services Inc. 11153 Aurora Avenue Des Moines, Iowa 50322
File:	193709727	Date:	February 8, 2024

**Reference: 2023 Comparison of HydraSleeve™ and Low-Flow Purge Groundwater Sampling Methods
– San Juan River Plant, Kirtland, NM**

1.0 INTRODUCTION

El Paso Natural Gas Company (EPNG) intends to conduct a statistical analyses of Site groundwater data to distinguish potential site-related impacts from the naturally occurring and/or background metals and inorganic constituents in the uppermost aquifer beneath the Site, with the goal of evaluating alternatives to remediation of some or all of these constituents pursuant to 19.15.30 of the New Mexico Administrative Code. Groundwater sampling at the site has been completed using the HydraSleeve™ passive sample collection method, a United State Environmental Protection Agency (USEPA)-approved method, since at least 2014. Commonly, groundwater samples collected for metals and inorganic constituents are collected using low-flow purging methods, such as bladder pumps. To help confirm whether samples collected using HydraSleeve™ sampling are comparable to samples collected using the low-flow purging sample method at the Site, four site monitoring wells were sampled using both collection methods in a side-by-side sampling event conducted in November 2023.

2.0 SAMPLE METHOD OVERVIEW

The two sampling methods used to collect samples during the side-by-side sampling event are described in this section. Each method has distinct advantages and disadvantages for groundwater sampling; however, the purpose of this review is not to determine which method is more advantageous for the site, but to evaluate if the different methods can return comparable results, and to ensure groundwater samples are representative of true site conditions.

2.1 HYDRASLEEVE™

The HydraSleeve™ sampler consists of a polyethylene sleeve with a one-way check valve. The sleeve is lowered into a monitoring well to the target sample depth using a pre-measured tether with bottom weight and remains closed upon deployment. After a short water column equilibration time, the sleeve can be retrieved by tugging the tether and swiftly and steadily pulling it up; this upward movement will open the top valve and the sleeve will be pulled over a “core” of groundwater from immediately above the deployed depth.

Some advantages of using HydraSleeve™ samplers include:

- Samples are collected from a discrete interval of the well; this discrete interval is easily reproducible by precisely measuring or re-using the tether.
- Disturbance within the monitoring well is minimal, producing a low turbidity sample.
- Samples can be collected from low-yield wells.



February 8, 2024
Mr. Joseph Wiley
Page 2 of 6

Reference: 2023 Comparison of HydraSleeve™ and Low-Flow Purge Groundwater Sampling Methods – San Juan River Plant, Kirtland, NM

Limitations of the HydraSleeve™ samplers include:

- Short water columns may not easily be sampled because the sleeve must be submerged in the screened interval.
- The aquifer must be in hydraulic communication with the well screen to get a representative sample.
- Samples should not be collected from monitoring wells with free product.
- Sample analyses requiring large volumes may not be able to be run due to the volume limitation of the sleeves.

The standard operating procedure (SOP) for use of the HydraSleeve™ can be found at [HydraSleeve SOP.pdf](#):

2.2 LOW FLOW

The low-flow groundwater sampling procedure can be conducted using various types of equipment. For this site, the SOP specifies use of a pneumatic bladder pump. Therefore, a submersible bladder pump with compressed air was used to carry out the purging and sampling procedures. The low-flow purge method consists of steadily purging groundwater from the well at a low rate (approximately 100 to 500 milliliters per minute [ml/min]) to minimize the drawdown of the groundwater elevation. During purging, water quality parameters (pH, specific conductance, oxidation-reduction potential, turbidity, dissolved oxygen, and temperature) are measured and recorded; when each of the parameters remains within the specified stabilization criteria, the groundwater sample may be collected. The SOP used for low-flow sampling at the Site is attached for reference.

Some advantages of using low-flow sampling include:

- Groundwater geochemical indicators collected accurately represent the formation water
- Samples can be collected from wells with free product

Some limitations of using low-flow sampling include:

- More costly equipment is required to complete well purging and monitoring as part of the method.
- The Method requires more time to complete than many other methods.
- Unless dedicated equipment is utilized, decontamination of pumping equipment between wells is required.
- More wastewater requiring management and disposal is generated using this method in comparison to no-purge methods.



February 8, 2024
Mr. Joseph Wiley
Page 3 of 6

Reference: 2023 Comparison of HydraSleeve™ and Low-Flow Purge Groundwater Sampling Methods – San Juan River Plant, Kirtland, NM

3.0 GROUNDWATER SAMPLING ACTIVITIES AND RESULTS

During the November 2023 groundwater sampling event at the site, four monitoring wells were identified for a side-by-side sample method review: W-2, MW-6, MW-16, and MW-26. The wells were selected as each has a water column of 10 feet or greater and no history of LNAPL, they are geographically spread across the Site and intersect different lithologic water bearing units, and each has had at least two groundwater sampling events previously completed.

Following well gauging, QED SamplePro™ bladder pumps were placed in each well and suspended approximately two feet above the previously-deployed HydraSleeves™ and allowed to stabilize at least 8 hours prior to sampling. Each bladder pump was equipped with dedicated twin-bonded polyethylene tubing provided by the bladder pump supplier. Following stabilization, the bladder pumps were purged with nitrogen pursuant to the SOP until parameter stabilization was achieved, at which time groundwater samples were collected. Copies of the groundwater sampling forms summarizing the low-flow sampling activities are attached for reference.

Following completion of the low-flow sampling activities, the bladder pump and tubing was removed, and the HydraSleeve™ in the well was removed and samples collected pursuant to the HydraSleeve™ SOP.

Groundwater samples collected via low-flow sampling methods and via HydraSleeves™ were submitted to the analytical laboratory under separate chains of custody. The sample results and copies of the analytical laboratory reports are discussed in the main body of the 2023 annual report for the Site.

3.1 SAMPLE RESULT COMPARISON

Generally, field duplicate results collected with the same sampling equipment at the same sample collection time will have inherent variability. The relative percent difference (RPD) can be used to assess precision between two sample results. The RPD is calculated using the following equation:

$$RPD = \frac{|D_1 - D_2|}{\left(\frac{D_1 + D_2}{2}\right)} \times 100\%$$

Where: D1 = Concentration of analyte in sample one
D2 = Concentration of analyte in sample two

Field duplicate results less than 25% are generally acceptable for true field duplicate samples. The RPD was calculated for each monitoring well sample method pair, as shown in Table A1. The RPD calculation used in Table A1 does not include the absolute value as shown in the equation above; a negative RPD indicates the low flow method result was greater while a positive RPD indicates the HydraSleeve™ method result was greater.

Sample data was also graphed to visually assess the data. The metals data is presented in Figure A1, and the VOC, anion, and general chemistry data is presented in Figure A2.



February 8, 2024
Mr. Joseph Wiley
Page 4 of 6

Reference: 2023 Comparison of HydraSleeve™ and Low-Flow Purge Groundwater Sampling Methods – San Juan River Plant, Kirtland, NM

3.1.1 Monitoring Well W-2

At monitoring well W-2, VOCs were not detected in either the HydraSleeve™ or low-flow sample. Four metals (boron, lead, manganese, and selenium) were detected in the HydraSleeve™ sample while five metals (boron, lead, manganese, selenium, and barium) were detected in the low-flow sample. The RPD results were greater than plus or minus ($\pm$) 50 percent (%) for selenium, with the low flow result being greater; the RPD results were greater than $\pm 25\%$ but less than $\pm 50\%$ for lead with the HydraSleeve™ result being greater. Total alkalinity was also greater in the HydraSleeve™ sample, with an RPD of 26% between the two results. The laboratory results for both sample methods agreed (RPD=0) for the detected concentrations of chloride, nitrate as N, nitrate nitrite as N, sulfate, and total dissolved solids in both samples, as well as various non-detectable metals.

3.1.2 Monitoring Well MW-6

At monitoring well MW-6, VOCs were not detected in either the HydraSleeve™ or low-flow sample. Eleven metals were detected in the HydraSleeve™ sample while twelve metals (the same eleven and iron) were detected in the low-flow sample. The results for two analytes had RPDs above 50% (cadmium and aluminum, both greater in the low-flow sample) while an additional four analytes (cobalt, manganese, nickel, and zinc) had RPDs between ± 25 and 50%. Of the dissolved metal analytes detected in both samples, one result was equal, 8 results were greater in the low-flow sample, and two results were greater in the HydraSleeve™ sample.

The total alkalinity, total dissolved solids, chloride, nitrite as N, and sulfate results were generally agreeable. The RPD results for nitrate as N and nitrate nitrite as N were greater than $\pm 25\%$ but less than $\pm 50\%$, although both samples were qualified for being analyzed past the specified hold time and the HydraSleeve™ sample analytical results were qualified due to a laboratory matrix spike issue.

3.1.3 Monitoring Well MW-16

At monitoring well MW-16, three VOC analytes were detected in both the HydraSleeve™ and low-flow sample, each with a greater concentration in the HydraSleeve™ sample, and the RPD for ethylbenzene and xylene was greater than $\pm 50\%$. Six metals were detected in the HydraSleeve™ sample while seven metals were detected in the low-flow sample. The results of the metals analysis were generally agreeable for the detected and non-detected analytes, with the exception of manganese, which had an RPD greater than $\pm 50\%$ with the low-flow sample having a greater result.

The results for total alkalinity, total dissolved solids, and the anions were also generally agreeable between the two samples at monitoring well MW-16.

3.1.4 Monitoring Well MW-26

At monitoring well MW-26, one VOC analyte (benzene) was detected in both the HydraSleeve™ and low-flow sample, with an RPD greater than $\pm 100\%$ between the two results; the remaining VOCs were not detected in either sample. Eight metals were detected in the HydraSleeve™ sample while ten metals were detected in the low-flow sample. The results for two analytes had RPDs above $\pm 50\%$ (iron and lead) while one additional analyte (zinc) had an RPD between ± 25 and 50%. Of the dissolved metal analytes detected in both samples, 5 results were greater in the low-flow sample, and three results were greater in the HydraSleeve™ sample.

The results for total alkalinity, total dissolved solids, and the anions were also generally agreeable between the two samples at monitoring well MW-26.



February 8, 2024
Mr. Joseph Wiley
Page 5 of 6

Reference: 2023 Comparison of HydraSleeve™ and Low-Flow Purge Groundwater Sampling Methods – San Juan River Plant, Kirtland, NM

3.1.5 Monitoring Well Summary

Four monitoring wells were sampled using both the low-flow and HydraSleeve™ groundwater sampling methods, and samples were analyzed by the same laboratory using the same methods. Although some results did not agree well between the two sample methods, there was no discernable consistency in which result (HydraSleeve™ or low-flow) was higher or which specific analytes did not compare well. Note, analytes that had RPD results greater than $\pm 25\%$ at two or more different wells included lead, manganese, and zinc; RPDs for each of the other analytes was only $\pm 25\%$ in one of the four monitoring well locations.

VOC results were greater in the HydraSleeve™ samples; however, the sample size is limited for these results because benzene was only detected at MW-16 and MW-26, and ethylbenzene, and xylene were only detected at MW-16. For dissolved metals, neither sampling method consistently provides a higher concentration, as presented in Figure 1A.



February 8, 2024
Mr. Joseph Wiley
Page 6 of 6

Reference: 2023 Comparison of HydraSleeve™ and Low-Flow Purge Groundwater Sampling Methods – San Juan River Plant, Kirtland, NM

4.0 CONCLUSION AND RECOMMENDATION

The side-by-side sampling results suggest the sample collection method did not influence the analytical data results; the two sampling methods can produce comparable results.

Although the methods may produce similar results, it remains a best practice to consistently use the same sample method across the site during a sampling event and from one event to another. Additionally, sample collection procedures are paramount for collecting representative data and the SOP for sample collection should be followed when collecting any groundwater sample at the site. Continuing site sample collection using the HydraSleeves™ is recommended at this time.

STANDARD OPERATING PROCEDURE FOR LOW-FLOW GROUNDWATER SAMPLING

This Standard Operation Procedure (SOP) has been developed for low-flow purging and sampling of groundwater from monitoring wells and is based on recommendations described in the April 1996 United States Environmental Protection Agency (EPA) Ground Water Issue (Puls and Barcelona, 1996), and the Ground-Water Sampling Guidelines for Superfund and Resource Conservation Recovery Act (RCRA) Project Managers (Yeskis and Zavala, 2002).

Purging groundwater from a monitoring well prior to sample collection is a common procedure to maximize the representativeness of the sample to the formation groundwater. Characteristics of water standing in a well may differ from “true” groundwater conditions. Low-flow purging and sampling methods typically produce low-turbidity groundwater samples that are more representative of dissolved-phase contaminant concentrations than samples with more entrained sediment (American Society for Testing Materials [ASTM], 2002). Low-flow purging and sampling methods also generally result in the removal of less water from the well than traditional purging and sampling methods.

1.0 GENERAL SITE ACTIVITIES

Site activities will be conducted in accordance with the site-specific Groundwater Monitoring Plan (GMP) and Health and Safety Plan (HSP). Personal protective equipment specified in the HSP will be worn during purging and sampling activities, and appropriate equipment (i.e., gloves) will be changed between sampling at each well to minimize the potential for cross contamination. Care will be taken to prevent sampling equipment from coming into contact with the ground or other potentially contaminated surfaces. The purge and equipment decontamination water generated during site activities will be containerized and disposed of as outlined in the site-specific work plan. Information pertaining to groundwater purging and sampling will be recorded in the bound project field book, on field data sheets, or with a data logger.

2.0 WELL PURGING USING BLADDER PUMPS

The site-specific designated monitoring wells will be purged and sampled using low-flow techniques. The purging and sampling will be completed using QED pneumatic bladder pumps, or equivalent, and dedicated twin-bonded, polyethylene tubing. When nondedicated pumps are used, sampling will proceed progressively from the monitoring wells demonstrating the least to the most contamination. The bladder pump will be slowly lowered into the monitoring well and positioned with the pump intake at a predetermined location at the middle of, or slightly above the middle of, the saturated portion of the well screen unless well specific conditions require a lower placement of the pump.

Groundwater will be purged steadily from the well at a rate low enough to maintain a drawdown of less than 0.33 foot. The groundwater elevation in the monitoring well will be measured to the nearest 0.01 foot with an electronic water level meter and recorded before pumping begins, and then every three to five minutes thereafter to verify drawdown remains below 0.33 foot. The pump rate will be monitored every three to five minutes as the monitoring well is purged. Groundwater will be directed from the pump discharge tubing into a flow-through cell to measure and record water quality parameters of pH, specific conductance, oxidation-reduction potential, turbidity, dissolved oxygen, and temperature. After a minimum of one discharge tube volume is purged, water quality parameters will be recorded every three

to five minutes. Purging will be considered complete when three consecutive measurements of the water quality parameters have stabilized according to the criteria presented in Table 1 of this SOP.

If a stabilized drawdown cannot be maintained at the lowest practical flow rate of the pump, or approximately 100 milliliters per minute (mL/min), and the water level in the monitoring well is approaching the top of the well screen (or the pump intake in wells screened across the water table), the pump will be deactivated for approximately 15 minutes to allow the groundwater level to recover. If, after resuming pumping, the water level again approaches the top of the well screen (or pump intake), the pump will again be deactivated for groundwater recovery. For low recharge wells, groundwater samples may be collected once two discharge volumes (including the volume of the bladder and tubing) have been purged.

3.0 GROUNDWATER SAMPLING USING BLADDER PUMPS

After purging requirements have been met, groundwater samples will be collected directly from the discharge end of the dedicated tubing into laboratory-supplied containers. Sample bottles will be filled without rinsing at the rate that achieved stabilization. Each sample will be assigned a sample identification label, packaged, and shipped to the analytical laboratory under the chain-of-custody protocol specified in the project-specific QAPP.

4.0 GROUNDWATER COLLECTION DOCUMENTATION

Well purging and sample collection activities and measurements will be recorded in a bound project field book, on field data sheets, or with a data logger. The following information will be documented:

- Sampling Location
- Sample Identification Number
- Date and Time of Sample Collection
- Total Depth of Well (below top of casing [TOC])
- Screen Interval
- Depth to Water (below TOC)
- Length of Water Column
- Volume of Water in Well
- Depth to Pump Intake (below TOC)
- Pump Rate and Controller Settings
- Volume of One Discharge Volume
- Volume of Water Purged
- Field Parameter Measurements
- Field Observations (weather, odor, etc.)
- Name of Sampling Personnel

A completed chain-of-custody record will accompany samples submitted for laboratory analysis.

5.0 EQUIPMENT DECONTAMINATION

Nondisposable or nondedicated sampling equipment that comes into contact with groundwater will be decontaminated prior to use and between wells. Nondedicated purging and sampling equipment that comes in contact with groundwater will be washed in potable water with a no residue detergent such as Alconox, followed by a triple rinse with distilled water. Pump tubing will be dedicated to each well to minimize the potential for cross-contamination between wells.

6.0 REFERENCES

ASTM, 2021. *Standard Practice for Low flow Purging and Sampling of Wells and Devices Used for Ground-Water Quality Investigations*. ASTM Designation D 6771-21, November 1, 2021.

Puls, R.W. and M.S. Barcelona, 1996. *Low flow (Minimal Drawdown) Ground-Water Sampling Procedures*, U.S. Environmental Protection Agency document EPA/540/S-95/504, April 1996.

Yeskis, D. and Zavala, B., 2002. *Ground-Water Sampling Guidelines for Superfund and RCRA Project Managers*, EPA 542-S-02-011, May 2002.

U:\203720718\coastal_mart_el_paso_energy\Iowa Program\Sites\1080-Bettendorf\Proposals (1080)\2022- MNA Smpl-Updt Data-Bdrx SMR\cmi-1080 SOP for Low-Flow GW Sampling (Version 1.2).doc

TABLE 1
WATER QUALITY PARAMETER STABILIZATION CRITERIA

Water Quality Parameter	Stabilization Criteria
pH	+/- 0.1 pH units
Specific Conductance	+/- 3% $\mu\text{S}/\text{cm}$
Oxidation-Reduction Potential	+/- 10 millivolts
Turbidity	+/- 10% (when turbidity is greater than 50 NTUs)
Dissolved Oxygen	+/- 0.3 milligrams per liter
Temperature	+/- 0.5 degrees Celsius

Notes:

$\mu\text{S}/\text{cm}$ = Microsiemens per centimeter.
NTU = Nephelometric turbidity units.



GROUNDWATER SAMPLE COLLECTION RECORD

Well No. W-2 .

Job No.: ~~193709521~~ 193709727

Client: Kinder Morgan

Location: San Juan River Plant

Date: 11/8/2023

Weather Conditions: 44°, Sunny, windy

1. WATER LEVEL DATA: (from TOC)

a. Total Well Length (h)  feet

Well Diameter 2"

b. Depth to Water 54.40 feet

Three Well Volumes

c. Length of Water Column — ★ feet

One System Volume

2. WELL PURGING DATA:

a. Purge Method 2" Bladder Pump w/ compressed air

b. Purge Requirements Low Flow SOP

c. Field Testing Equipment Used AT600 SN697669, geotech turb. meter SN23054670

[illegible]

* Bladder pump set above Hydaskave sample device.



GROUNDWATER SAMPLE COLLECTION RECORD

Well No. W-2**3. SAMPLE COLLECTION: Method**

Container Type: <u>Voa 40mL</u>	<u>(2)</u>	Preservation: <u>None</u>	Analysis Req.: <u>BTEX-8260</u>
Container Type: <u>Plastic 500 mL</u>	<u>(1)</u>	Preservation: <u>None</u>	Analysis Req.: <u>2540C</u>
Container Type: <u>Plastic 125mL</u>	<u>(1)</u>	Preservation: <u>None</u>	Analysis Req.: <u>2320B - Alkalinity</u>
Container Type: <u>Plastic 250 mL</u>	<u>(1)</u>	Preservation: <u>Nitric Acid</u>	Analysis Req.: <u>2470A, 6010D</u>
Container Type: <u>Plastic 250 mL</u>	<u>(1)</u>	Preservation: <u>None</u>	Analysis Req.: <u>Anions</u>
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____
Container Type: _____	_____	Preservation: _____	Analysis Req.: _____

Sample ID #: W-2Time Sampled: 0920

4. COMMENTS: • observed drawdown at 100mL/minute, geotech
pump struggles w/ pumping 100mL/min
• drew down to top of pump, let recharge for 15 minutes
• DTW after Recharge = 57.45

@0901

Sampler (Signature)

(Print Name)



GROUNDWATER SAMPLE COLLECTION RECORD

Well No. MW-6.

Job No.: 193709727

Client: Kinder Magen

Location: San Juan River Plant

Date: 11/8/2023

Weather Conditions: 50's, Sunny, Windy

1. WATER LEVEL DATA: (from TOC)

a. Total Well Length (h) ~43 feet

Well Diameter 4/

b. Depth to Water 33.29 feet

Three Well Volumes 19 ★

c. Length of Water Column ~ 9.71 feet

One System Volume $\sim 500\text{mL}$ ★

2. WELL PURGING DATA:

a. Purge Method Bladder Pump w/ compressed air

b. Purge Requirements Low Flow Sop

c. Field Testing Equipment Used AT600 SN 697669, geotech Turb. meter SN 23054670

[illegible]

★ Pump set above Hydaskene sampler



Container Type:		Preservation:		Analysis Req.:	
Container Type:		Preservation:		Analysis Req.:	
Container Type:		Preservation:		Analysis Req.:	
Container Type:		Preservation:		Analysis Req.:	
Container Type:		Preservation:		Analysis Req.:	
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Container Type:		Preservation:		Analysis Req.:	
Container Type:		Preservation:		Analysis Req.:	
Container Type:		Preservation:		Analysis Req.:	
Container Type:		Preservation:		Analysis Req.:	
Container Type:		Preservation:		Analysis Req.:	

Sample ID #: MW-6

Time Sampled: 1135

4. COMMENTS:



Sampler (Signature)

Emma Brady
(Print Name)



Kinder Morgan

Date: 11/8/2023

Weather Conditions: 60's, Sunny, Windy

a. Total Well Length (h) ~40 feet

b. Depth to Water 22.87 ~~AD~~^{SR} feet

c. Length of Water Column ~17.13 feet

Well Diameter

Three Well Volumes ~ 33.5

One System Volume $\sim 500 \text{ mL}$

a. Purge Method Bladder Pump w/ compressed air

b. Purge Requirements Low Flow SOP

c. Field Testing Equipment Used AT600 SN 697669, geotech turb SN 23054670

* Bladder Pump set above Hydrasleeve

**GROUNDWATER
SAMPLE COLLECTION RECORD****Well No.** mw-16**3. SAMPLE COLLECTION: Method**

Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____
Container Type: _____	Preservation: _____	Analysis Req.: _____

Sample ID #: mw-16Time Sampled: 1328**4. COMMENTS:**Air entering pump, lowered Hydrasleeve & pump
~5' each.

Sampler (Signature)

Emma Brady

(Print Name)



GROUNDWATER SAMPLE COLLECTION RECORD

Well No. MW-26 .

Job No.: 193709727

Client: Kinder Morgan

Location: San Juan River Plant

Date: 11/9/2023

Weather Conditions: 30° clear

1. WATER LEVEL DATA: (from TOC)

a. Total Well Length (h) ~ 55 (log) feet

Well Diameter 4/

b. Depth to Water 29.87 feet

Three Well Volumes $16.4 \times 3 = 49$

c. Length of Water Column 25.13 feet

One System Volume $\sim 600 \text{ mL}$

2. WELL PURGING DATA:

a. Purge Method Bladder Pump w/ compressed air

b. Purge Requirements Low Flow Sol

c. Field Testing Equipment Used ATI600 SN 697669, Geotech Turbiditymeter SN 23054670

[illegible]

[illegible]

Sample ID #: MW-26 Time Sampled: 0725

4. COMMENTS: none

This image shows a single sheet of white paper with horizontal blue or grey ruling lines, typical of notebook paper. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Emma Brady
(Print Name)

APPENDIX D

NMOSE Well Permitting Documentation



STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER
AZTEC

Mike A. Hamman, P.E.
State Engineer

100 Gossett Drive, Suite A
Aztec, New Mexico 87410

July 12, 2023

El Paso Natural Gas Company, LLC
Attn: Joseph Wiley
1001 Louisiana St, Room 1445B
Houston, TX 77002

RE: Permit Approval to Drill Wells with No Water Right, SJ-4231 POD24-POD25, El Paso CGP Company, LLC, San Juan River Gas Plant Site Investigation

Dear Mr. Wiley:

On June 14, 2023, the New Mexico Office of the State Engineer received an application for a permit for the installation and use of two groundwater monitoring wells for site investigation activities at the above referenced location. Enclosed is a copy of the above numbered permit that has been approved subject to the conditions set forth on the approval pages and in the attached Conditions of Approval. Also enclosed is a receipt for the fees paid.

Upon completion of the well, well records need to be submitted for the wells within 30 days of completion of the wells. A standardized plugging method has also been included in the Conditions of Approval for the future abandonment of the monitoring wells covered by this permit. This eliminates the need to submit a separate Well Plugging Plan of Operations for approval by the NMOSE prior to plugging, unless an alternate plugging method is proposed, required by a separate oversight agency, necessary due to incompatibility with actual conditions, or artesian conditions are encountered. Well completion and plugging records should be sent to the NMOSE District V, 100 Gossett Drive, Suite A, Aztec, NM, 87410.

If you have any questions regarding this permitting action, please feel free to contact me at (505) 383-4571.

Sincerely,

Miles Juett
San Juan Basin Watermaster
Water Rights Division – District V Office

Enclosures

cc: Aztec Reading (w/o enclosures)
SJ-4231 File
WATERS
Steve Varsa, Stantec Consulting Services, via email steve.varsa@stantec.com



NEW MEXICO OFFICE OF THE STATE ENGINEER

WR-07 APPLICATION FOR PERMIT TO DRILL

A WELL WITH NO WATER RIGHT

(check applicable box):



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

Purpose:	☐ Pollution Control And/Or Recovery	☐ Ground Source Heat Pump
☐ Exploratory Well*(Pump test)	☐ Construction Site/Public Works Dewatering	☐ Other(Describe):
☒ Monitoring Well	☐ Mine Dewatering	

A separate permit will be required to apply water to beneficial use regardless if use is consumptive or nonconsumptive.

*New Mexico Environment Department-Drinking Water Bureau (NMED-DWB) will be notified if a proposed exploratory well is used for public water supply.

☒ Temporary Request - Requested Start Date: July 24, 2023	Requested End Date: TBD
---	-------------------------

Plugging Plan of Operations Submitted? ☐ Yes ☒ No
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1. APPLICANT(S)

Name: El Paso Natural Gas Company, LLC	Name:
Contact or Agent: check here if Agent ☐ Joseph Wiley	Contact or Agent: check here if Agent ☐
Mailing Address: 1001 Louisiana Street, Room 1445B	Mailing Address:
City: Houston	City:
State: Texas	State:
Zip Code: 77002	Zip Code:
Phone: Phone (Work): (713) 420-3475	Phone: Phone (Work):
☐ Home ☐ Cell	☐ Home ☐ Cell
E-mail (optional): joe_wiley@kindermorgan.com	E-mail (optional):

FOR OSE INTERNAL USE

Application for Permit, Form WR-07, Rev 07/12/22

File No. SJ-4231 POD24-25	Trn. No.:	Receipt No. 5-7277
Trans Description (optional):		
Sub-Basin:	PCW/LOG Due Date 7-12-2024	

62 01 WA 41 HOC E207
AZTEC NEW MEXICO
STATE ENGINEER OFFICE

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

Location Required: Coordinate location must be reported in NM State Plane (NAD 83), UTM (NAD 83), or Latitude/Longitude (Lat/Long - WGS84).
District II (Roswell) and District VII (Cimarron) customers, provide a PLSS location in addition to above.

☐ NM State Plane (NAD83) (Feet)
 ☐ UTM (NAD83) (Meters)
 ☒ Lat/Long (WGS84) (to the nearest 1/10th of second)

☐ NM West Zone
 ☐ Zone 12N

☐ NM East Zone
 ☐ Zone 13N

☐ NM Central Zone

Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Township, Range) OR - Hydrographic Survey Map & Tract; OR - Lot, Block & Subdivision; OR - Land Grant Name
(SJ-4231 POD24) MW-29	-108.369946	36.762192	NE/4, NW/4, Sec.1, T29N, R15W, San Juan County, NM
(POD25) MW-30	-108.360004	36.759309	SE/4, NE/4 NE/4, NW/4 , Sec.1, T29N, R15W, San Juan County, NM

NOTE: If more well locations need to be described, complete form WR-08 (Attachment 1 – POD Descriptions)
 Additional well descriptions are attached: ☐ Yes ☒ No If yes, how many _____

Other description relating well to common landmarks, streets, or other:
 Permit SJ-4231. San Juan River Gas Plant. Facility street address is 99 RD 6500, Kirtland, NM.

Well is on land owned by: CCI San Juan, LLC

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

Approximate depth of well (feet): 60 Outside diameter of well casing (inches): 4

Driller Name: Cascade Environmental Drilling Driller License Number: WD-1664

2023 JUN 14 AM 10:29
 STATE OF NEW MEXICO
 AZTEC, NEW MEXICO

3. ADDITIONAL STATEMENTS OR EXPLANATIONS

The purpose of this application is for the permitting of two additional monitoring wells at the site installed as part of an ongoing investigation of a historical release. The monitoring wells will be plugged and abandoned according to State of New Mexico regulations once they are no longer needed and/or a No Further Action determination has been granted by the New Mexico Oil Conservation Division.

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No: SJ-4231 POD24-25

Trm No:

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

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

ACKNOWLEDGEMENT

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

Print Name(s)

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

Joseph Wiley
Applicant Signature

Applicant Signature

ACTION OF THE STATE ENGINEER

This application is:

☒ approved ☐ partially approved ☐ denied

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

Witness my hand and seal this 12 day of July 20 23, for the State Engineer,

Mike A. Hamman, P.E.

State Engineer

By: Miles Juett
Signature

Miles Juett

Print

Title: Watermaster
Print

FOR OSE INTERNAL USE

Application for Permit, Form WR-07 Version 07/12/22

File No.: SJ-4231 POD24-25

Tm No.:

2023 JUN 14 AM 10:29
STATE ENGINEER'S OFFICE
ALBUQUERQUE, NEW MEXICO

NMOSE Permit to Drill a Well With No Water Right - Conditions of Approval
SJ-4231 POD24-POD25

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

1. This permit is approved as follows:

Permittee(s): El Paso Natural Gas Company, LLC
via Steve Varsa, Stantec Consulting Services, as Agent
1001 Louisiana St, Room 1445B
Houston, TX 77002

Permit Number: SJ-4231

Application File Date: June 14, 2023

Priority: N/A

Source: Groundwater

Point(s) of Diversion: Two points of diversion (PODs), SJ-4231 POD24-POD25, are proposed. The PODs consist of two proposed groundwater monitoring wells associated with the El Paso Natural Gas San Juan River Gas Plant site investigation (Table 1). The wells are located on land owned by El Paso Natural Gas Company or CCI San Juan, LLC near Kirtland, San Juan County, New Mexico. The PODs will be located within the NE/4 NW/4 of Section 1, T29N, R15W, NMPM, at the following approximate point locations (Lat./Long., WGS84).

Table 1: Proposed Monitoring Wells

POD Number and Owner's Well Name	Casing: Outside Diameter (inches) and Depth (feet)		Longitude (DD)	Latitude (DD)
SJ-4231 POD24 (MW-27)	4	60	108.369946 W	36.759309 N
SJ-4231 POD25 (MW-28)	4	60	108.360004 W	36.761264 N

Purpose of Use: Groundwater monitoring

Place of Use: N/A

Amount of Water: N/A

2. No water shall be appropriated and beneficially used from any wells or borings approved under this permit.
3. No water shall be diverted from the well(s) except for initial well development and periodic sampling purposes. Upon completion of monitoring activities the well(s) shall be plugged in

- accordance with Subsection C of 19.27.4.30 NMAC, unless a permit to use water is acquired from the NMOSE.
4. The well(s) may continue to be used indefinitely for groundwater sampling or monitoring required for the current site investigation and any associated remediation, so long as they remain in good repair. **A new permit shall be obtained from the NMOSE prior to replacing a well(s) or for any change in use as approved herein.**
 5. Water well drilling and well drilling activities, including well plugging, are regulated under NMOSE Regulations 19.27.4 NMAC. These regulations apply, and provide both general and specific direction regarding the drilling of wells in New Mexico. Note that the construction of any well that allows groundwater to flow uncontrolled to the land surface or to move appreciably between geologic units is prohibited. Based on the proposed well construction information provided regarding the subject well(s), the following variances have been provided from 19.27.4.29 and 19.27.4.30 NMAC.
 6. In accordance with Subsection A of 19.27.4.29 NMAC, on-site supervision of well drilling/plugging is required by the holder of a New Mexico Well Driller License or a NMOSE-registered Drill Rig Supervisor. The New Mexico licensed Well Driller shall ensure that well drilling activities are completed in accordance with 19.27.4.29, 19.27.4.30 and 19.27.4.31 NMAC. However, pursuant to 72-12-12 NMSA 1978 and 19.27.4.8 NMAC, a driller's license is not required for the construction of a driven well with an outside casing diameter of 2½ inches or less and that does not require the use of a drill rig (e.g., auger) for installation. This exemption is not applicable to well plugging.
 7. The permittee has not stated whether artesian conditions are likely to be encountered at the proposed well/borehole location(s). However, if artesian conditions are encountered during drilling, all rules and regulations pertaining to the drilling and casing and plugging of artesian wells shall be followed.
 8. A Well Record documenting the as-built well construction and materials used shall be filed for each of the new wells in accordance with Subsection N of 19.27.4.29 NMAC. **Well Records shall be filed with the State Engineer (NMOSE District V, 100 Gossett Drive, Suite A, Aztec, NM, 87410) within 30 days after completion of the well(s).** Well installation(s) shall be complete and the well record(s) filed no later than one year from the date of approval of this permit. The well record form is available at <http://www.ose.state.nm.us/STST/wdForms.php>.
 9. If the required Well Record documentation is not received within one year of the date of permit approval, this permit will automatically expire.
 10. When the permittee receives approval or direction to permanently abandon the well(s)/borehole(s) covered by this permit, plugging shall be performed by a New Mexico licensed well driller. The well(s)/borehole(s) shall be plugged pursuant to Subsection C of 19.27.4.30 NMAC using the following method, unless an alternate plugging method has been proposed by or on behalf of the well owner and approved by the NMOSE. If a well/borehole has encountered artesian conditions, a Well Plugging Plan of Operations shall be submitted and NMOSE approval obtained *prior* to the initiation of *any* well plugging activities concerning artesian wells. Additionally, if the following standardized plugging sealant is not appropriate for use due to incompatibility with the water quality or any soil and water contaminants encountered,

a Well Plugging Plan of Operations shall be submitted and NMOSE approval obtained *prior* to the initiation of *any* well plugging activities.

- a. Obstructions in a well/borehole shall be identified and removed if possible. If an obstruction cannot be removed, the method used to grout below and around the obstruction shall be described in detail in the plugging record.
- b. Prior to plugging, calculate the theoretical volume of sealant needed for abandonment of the well/borehole based on the actual measured pluggable depth of the well/borehole and the volume factor for the casing/borehole diameter. Compare the actual volume of sealant placed in the well/borehole with the theoretical volume to verify the actual volume of sealant is equal to or exceeds the theoretical volume.
- c. Portland Type I/II cement shall be used for the plugging sealant. The water mixed with the cement to create the plugging sealant shall be potable water or of similar quality. Portland cement has a fundamental water demand of 5.2 gallons of water per 94-lb sack of cement. Up to a maximum of 6.0 gallons per 94-lb sack is acceptable to allow for greater pumpability.

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

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

Record(s) shall be filed with the State Engineer at the NMOSE District V Office, 100 Gossett Drive, Suite A, Aztec, NM 87410. The well plugging record form is available at <http://www.ose.state.nm.us/STST/wdForms.php>.

11. In accordance with Subsection C of 19.27.4.30 NMAC, a well/borehole that does not encounter groundwater may be immediately plugged by filling with drill cuttings or clean native fill to within 10 feet of land surface and by plugging the remaining 10 feet to the land surface with a sealant approved by the Office of the State Engineer. A Plugging Record shall be filed with the State Engineer as described above.
12. Should another regulatory agency sharing jurisdiction of the project authorize, or by regulation require, more stringent requirements than stated herein, the more stringent procedure should be followed. These, among others, may include provisions regarding pre-authorization to proceed, type of methods and materials used, inspection, or prohibition of free discharge of any fluid or other material to or from the well that is related to the drilling and/or monitoring process.
13. Pursuant to 72-12-3 NMSA 1978, the applicant may or may not have provided written documentation which the applicant claims as confirmation that access has been granted for the aforementioned well(s) to be located on property owned by someone other than the well owner/applicant. NMOSE approval of this permit in no way infers the right of access to land not owned by the well owner/applicant.
14. The State Engineer retains jurisdiction of this permit.

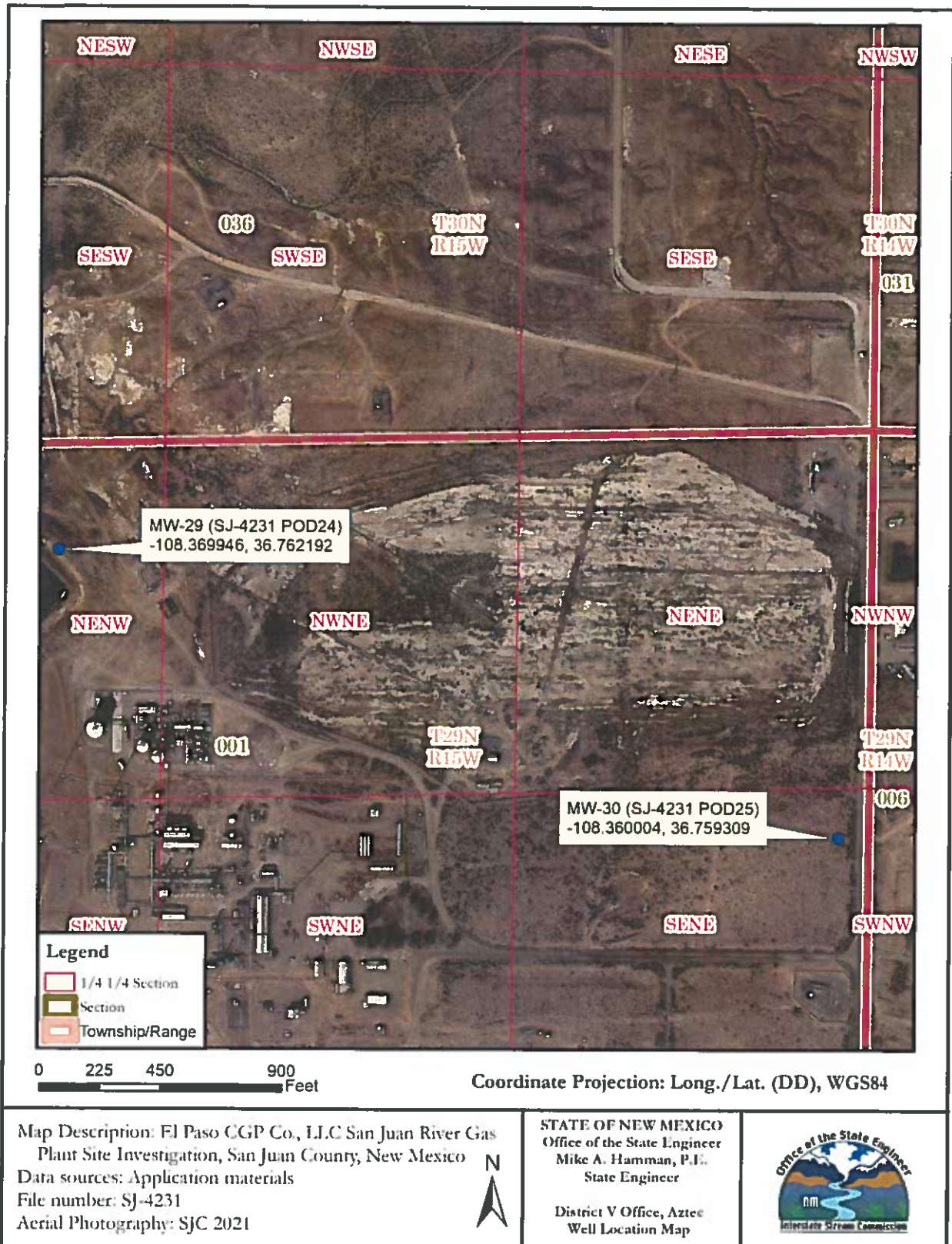
The application for Permit to Drill a Well with No Water Right (s) SJ-4231 POD24-POD25, submitted on June 14, 2023, is hereby approved with the aforesaid conditions applied, when signed by an authorized designee of the State Engineer:

Witness my hand and seal this 12th day of July, A.D. 2023.
Mike A. Hamman, P.E., State Engineer

By:



Miles Juett, San Juan Basin Watermaster
Water Rights Division District V



APPENDIX E

NMOSE Well Plugging Forms



PLUGGING RECORD



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

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: POD- 24 (MW-29)
Well owner: El Paso Natural Gas Company, LLC Phone No.: 713-420-3475
Mailing address: 1001 Louisiana Street, Room 1445B
City: Houston State: Texas Zip code: 77002

II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: Cascade Drilling
- 2) New Mexico Well Driller License No.: 1664 Expiration Date: _____
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Roger Rodriquez
- 4) Date well plugging began: 7-31-2023 Date well plugging concluded: 7-31-2023
- 5) GPS Well Location: Latitude: 36 deg, 45 min, 43.8912 sec
Longitude: -108 deg, 22 min, 11.8056 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: 60 ft below ground level (bgl),
by the following manner: Tremie from bottom up with neat cement.
- 7) Static water level measured at initiation of plugging: 50 ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 7/12/2023
- 9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Tremie grouted from the bottom up. The well melted at 4' BGS.

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

III. SIGNATURE:

Signature of Well Driller

Version: September 8, 2009
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-24 (MW-29)		WELL TAG ID NO.		OSE FILE NO(S) SJ-4231			
	WELL OWNER NAME(S) El Paso Natural Gas Company, LLC				PHONE (OPTIONAL) 713-420-3475			
	WELL OWNER MAILING ADDRESS 1001 Louisiana Street, Room 1445B				CITY Houston		STATE Texas	ZIP 77002
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 36°		MINUTES 45	SECONDS 43.8912	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
		LONGITUDE -108°		22	11.8056		W	* 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. 1664		NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling L.P		
	DRILLING STARTED 7/29/2023		DRILLING ENDED 7/29/2023		DEPTH OF COMPLETED WELL (FT) 60		BORE HOLE DEPTH (FT) 60	DEPTH WATER FIRST ENCOUNTERED (FT) 50
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)		DATE STATIC MEASURED
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Sonic						CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐	
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (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	30	8"	4"sch 40 PVC	Flush Thread	4.026	.237	
	30	60	8"	4"sch 40 PVC screen	Flush Thread	4.026	.237	.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	23	8"	Cement-bentonite grout	6.015	Tremie		
	23	28	8"	3/8 chips	1	Gravity		
	28	60	8"	20/40 Sand	10.35	Gravity		

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.		POD NO.	TRN NO.
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

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	10	10	No Data Hydro Vac	Y	N	
	10	20	10	Sandy lean clay	Y	N	
	20	60	40	Shale,dark gray	✓ Y	N	0.62
					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: ☐ PUMP ☐ AIR LIFT ☒ BAILER ☐ OTHER - SPECIFY:				TOTAL ESTIMATED WELL YIELD (gpm): 6.2		
	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: Well had melted at 4' BGS so we abandoned with neat cement from 60' to 0' using tremie from bottom up. Moved over and drilled MW-29r.					
PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:							
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: Shawn Cail SIGNATURE OF DRILLER / PRINT SIGNEE NAME 11-29-23 DATE						

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

APPENDIX F

NMOSE Well Completion Forms

Stantec 113-23-1105

mw-29



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-24 (MW-29)		WELL TAG ID NO.		OSE FILE NO(S). SJ-4231	
	WELL OWNER NAME(S) El Paso Natural Gas Company, LLC				PHONE (OPTIONAL) 713-420-3475	
	WELL OWNER MAILING ADDRESS 1001 Louisiana Street, Room 1445B				CITY Houston	
					STATE Texas	
					ZIP 77002	
WELL LOCATION (FROM GPS)	DEGREES 36°		MINUTES 45	SECONDS 43.8912	N	
	LONGITUDE -108°		22	11.8056	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. 1664		NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling L.P			
	DRILLING STARTED 10/18/2023		DRILLING ENDED 10/08/2023		DEPTH OF COMPLETED WELL (FT) 58		BORE HOLE DEPTH (FT) 59		
	DEPTH WATER FIRST ENCOUNTERED (FT)								
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT)		DATE STATIC MEASURED	
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:								
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Sonic								
	CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐								
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (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	28	8"	4"sch 40 PVC	Flush Thread	4.026	.237		
28	58	8"	4"sch 40 PVC screen	Flush Thread	4.026	.237	.010		

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	20	8"	Cement-bentonite grout	6.015	Tremie
	20	23	8"	3/8 chips	1	Gravity
	23	59	8"	20/40 Sand	10.35	Gravity

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.		POD NO.		TRN NO.	
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2

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	10	10	No Data Hydro Vac	Y	N		
	10	20	10	Sandy lean clay	Y	N		
	20	58	38	Shale, dark gray	✓ Y	N	0.62	
					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: ☐ PUMP ☐ AIR LIFT ☒ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 6.2		
	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:								
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  Shamm Cain 11-29-23 SIGNATURE OF DRILLER / PRINT SIGNEE NAMEDATE							

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

Starter 113-73-1105 mw-30



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-25 (MW-30)		WELL TAG ID NO.		OSE FILE NO(S). SJ-4231		
	WELL OWNER NAME(S) El Paso Natural Gas Company, LLC				PHONE (OPTIONAL) 713-420-3475		
	WELL OWNER MAILING ADDRESS 1001 Louisiana Street, Room 1445B				CITY STATE ZIP Houston Texas 77002		
	WELL LOCATION (FROM GPS)	LATITUDE	DEGREES 36°	MINUTES 45	SECONDS 33.5124	N	
		LONGITUDE	-108°	22	36.0144	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. 1664		NAME OF LICENSED DRILLER Shawn Cain			NAME OF WELL DRILLING COMPANY Cascade Drilling L P				
	DRILLING STARTED 10/19/2023		DRILLING ENDED 10/19/2023		DEPTH OF COMPLETED WELL (FT) 80		BORE HOLE DEPTH (FT) 80		DEPTH WATER FIRST ENCOUNTERED (FT)	
	COMPLETED WELL IS: ☐ ARTESIAN *add Centralizer info below ☐ DRY HOLE ☒ SHALLOW (UNCONFINED)						STATIC WATER LEVEL IN COMPLETED WELL (FT)		DATE STATIC MEASURED	
	DRILLING FLUID: ☐ AIR ☐ MUD ADDITIVES - SPECIFY:									
	DRILLING METHOD: ☐ ROTARY ☐ HAMMER ☐ CABLE TOOL ☒ OTHER - SPECIFY: Sonic						CHECK HERE IF PITLESS ADAPTER IS INSTALLED ☐			
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)		
	FROM	TO								
	0	45	8"	4"sch 40 PVC	Flush Thread	4.026	.237			
	45	80	8"	4"sch 40 PVC screen	Flush Thread	4.026	.237	.010		

3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL <i>*(if using Centralizers for Artesian wells- indicate the spacing below)</i>	AMOUNT (cubic feet)	METHOD OF PLACEMENT
	FROM	TO				
	0	36	8"	Cement-bentonite grout	10.026	Tremie
	36	25	8"	3/8 chips	1.5	Gravity
	41	80	8"	20/40 Sand	10.56	Gravity

FOR OSE INTERNAL USE			WR-20 WELL RECORD & LOG (Version 09/22/2022)		
FILE NO.		POD NO.		TRN NO.	
LOCATION			WELL TAG ID NO.		PAGE 1 OF 2

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			Y	N	
	0	10	10	No Data Hydro Vac	Y	N	
	10	35	25	Sandy lean clay	Y	N	
	35	80	45	Shale, dark gray	✓ Y	N	0.62
					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: ☐ PUMP ☐ AIR LIFT ☒ BAILER ☐ OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 6.2		

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:	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 Shawn Cain	11-29-23
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE

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

Proof of Delivery

Dear Customer,

This notice serves as proof of delivery for the shipment listed below.

Tracking Number

1Z0152R20295751416

Weight

0.50 LBS

Service

UPS 2nd Day Air®

Shipped / Billed On

12/07/2023

Delivered On

12/11/2023 8:48 A.M.

Delivered To

AZTEC, NM, US
Received By

BLECHA

Left At

Inside Delivery

Please print for your records as photo and details are only available for a limited time.

Sincerely,

UPS

Tracking results provided by UPS: 03/11/2024 5:22 P.M. EST

APPENDIX G

Boring Logs and Well Construction Diagrams



Drilling Log

Monitoring Well

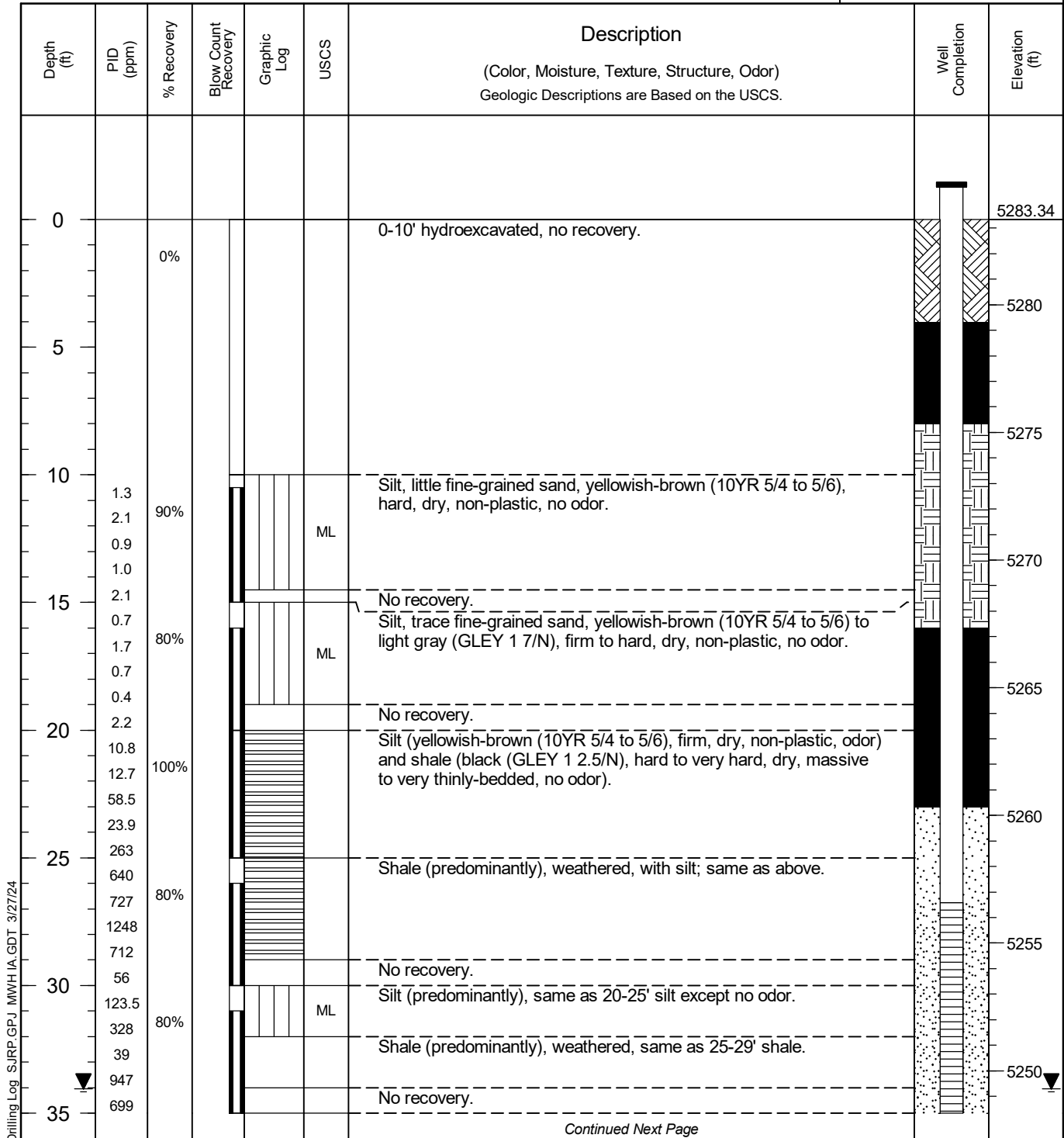
MW-29

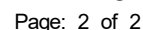
Page: 1 of 2

Project San Juan River Gas Plant Client El Paso Natural Gas Company
 Location Kirtland, New Mexico Project Number 193710388
 Surface Elev. 5283.34 ft North 2097209.97 East 2565920.12
 Top of Casing 5285.78 ft Water Level Initial ▽(53.89) 10/21/23 00:00 Static ▽(36.49) 11/07/23 00:00
 Hole Depth 58.0 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 29.4 ft Type SCH 40 PVC
 Drill Co. Cascade Drilling Drilling Method Sonic Sand Pack 20-40 silica
 Driller Rico Rodriguez Driller Reg. # WD-1210 Log By Scott Stanley
 Start Date 10/18/2023 Completion Date 10/18/2023 Checked By Steve Varsa

COMMENTS

Bentonite Grout
 Bentonite Granules
 Grout
 Portland Cement
 Sand Pack
 Sand Pack





Project Number 193710388

Drilling Log SJRP.GPJ MWH IA.GDT 3/27/24



Drilling Log

Monitoring Well **MW-30**

Page: 1 of 2

Project San Juan River Gas Plant Client El Paso Natural Gas Company
 Location Kirtland, New Mexico Project Number 193710388
 Surface Elev. 5315.51 ft North 2096091.25 East 2568825.93
 Top of Casing 5317.94 ft Water Level Initial ▽(48.54) 10/21/23 00:00 Static ▽(38.98) 11/07/23 00:00
 Hole Depth 80.0 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 47.7 ft Type SCH 40 PVC
 Drill Co. Cascade Drilling Drilling Method Sonic Sand Pack 20-40 silica
 Driller Rico Rodriguez Driller Reg. # WD-1210 Log By Scott Stanley
 Start Date 10/19/2023 Completion Date 10/20/2023 Checked By Steve Varsa

COMMENTS

Bentonite Grout
 Bentonite Granules
 Grout
 Portland Cement
 Sand Pack
 Sand Pack

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%				0-10' hydroexcavated, no recovery.		5315.51
5								5315
10	0.0	90%			ML	Silt, little fine-grained sand, light yellowish-brown (10YR 6/4), soft, dry, non-plastic, no odor.		5305
15	0.0	80%			ML	No recovery. Same as above, becomes more firm at 18'. *MW-30 @ 16'.		5300
20	27.5*	100%			ML	No recovery. Same as above.		5295
25	14.7	70%			ML	Silt, little fine-grained sand, some coarse gravel and cobbles, light brownish-gray (10YR 6/2), soft, dry, non-plastic, no odor. *MW-30 @ 26'.		5290
30	1.4	80%			ML	No recovery. Same as above.		5285
35	2.1					No recovery.		

Continued Next Page

Drilling Log SJRP-GPJ MWH IA GDT 1/31/24



Drilling Log

Monitoring Well **MW-30**

Page: 2 of 2

Project San Juan River Gas PlantClient El Paso Natural Gas CompanyLocation Kirtland, New MexicoProject Number 193710388

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								
35	0.0	80%			SW	Sand, fine grained to cobble-sized, little silt, brown (10YR 4/3), loose, dry, well graded, no odor.		5280
	0.2				ML	Silt, trace fine-grained sand, brown to yellowish-brown (10YR 5/3 to 5/6), firm to hard, dry, iron oxide-stained, no odor.		
	0.7					No recovery.		
40	0.0	100%				Silt, greenish-gray (Gley 1 5/10Y to 10Y-5GY 6/10Y), firm to hard, dry, slightly laminated to 1 mm, no odor; interlayered with shale, gray (Gley 1 5/N), very hard, dry to moist, very thinly bedded, slightly to moderately weathered, no odor. *MW-30 @ 44'.		5275
	0.1							
	0.0							
	0.2				ML			
45	1.0*							
	0.0	80%						5270
	0.0							
	0.7							
	0.0					No recovery.		
50	0.0	90%				Shale, gray (Gley 1 5/N), very hard, dry to moist, slightly to moderately weathered, very thinly bedded, no odor.		5265
	0.0							
	0.0							
	0.0					No recovery.		
55	0.0	90%				Same as above. *MW-30 @ 59'.		5260
	0.0							
	0.3							
	0.0					No recovery.		
60	0.6*	90%				Same as above.		5255
	0.0							
	0.7							
	0.0					No recovery.		
65	0.0	90%				Same as above.		5250
	0.0							
	0.4					Same as above except black (Gley 1 2.5/N).		
	0.3							
	0.0					No recovery.		
70	0.0	90%				Same as above except gray (Gley 1 5/N).		5245
	0.0							
	0.0							
	0.0					No recovery.		
75	0.2	90%				Same as above.		5240
	0.0							
	0.0							
	0.7					No recovery.		
80	0.7					End of boring = 80'. Well set at 80'.		5235

Drilling Log SJRP-GPJ MWH IA GDT 1/31/24



Drilling Log

Soil Boring **SB-29**

Page: 1 of 2

Project San Juan River Gas Plant Client El Paso Natural Gas Company
 Location Kirtland, New Mexico Project Number 193710388
 Surface Elev. 5271.00 ft North 2097217.74 East 2565917.44
 Top of Casing NA Water Level Initial ▽ 07/29/23 00:00 Static ▽ NA
 Hole Depth 60.0 ft Screen: Diameter NA Length NA Type/Size NA
 Hole Diameter 8.25 in Casing: Diameter NA Length NA Type NA
 Drill Co. Cascade Drilling Method Sonic Sand Pack NA
 Driller Greg Smith Driller Reg. # WD-1210 Log By R. Malcomson
 Start Date 7/28/2023 Completion Date 7/29/2023 Checked By S. Varsa

COMMENTS

0-10' hydro-vacuumed. The gauging data for MW-29 was collected from a well set in this boring, SB-29, but which was soon found to be compromised. Soil samples collected from this boring were given an ID of MW-29. This borehole was subsequently plugged and abandoned, and MW-29 was advanced and installed later adjacent to this boring.

Bentonite Grout
 Bentonite Granules
 Grout
 Portland Cement
 Sand Pack
 Sand Pack

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Elevation (ft)
0						Hydro-vacuumed to 10'. Sand, silty, brown/tan, dry, cobbles/pebbles.	5271
5		100%			SM		5270
10	1.3				ML	Silt and weathered shale, gray to olive-gray, brown, dry, weakly to strongly cemented, some orange mottling.	5265
15	2.1				ML	Silt, brown-gray-orange (mixed), stiff, dry, some laminar bedding, minor gray shale with waxy surfaces.	5260
20	0.9				ML		5255
25	1.0				ML	Silt, dark olive, stiff, dry, orange mottling, some strongly cemented gray shale fragments, odor in lower portion. *MW-29 @ 25'.	5250
30	2.1				ML	Silt and weathered shale, dark gray and dark olive, dry, orange mottling, some very thin bedding in lower portion, odor, sharp contact with unit below. *MW-29 @ 28'.	5245
	0.7						
	1.7						
	0.7						
	0.4						
	2.2						
	10.8						
	12.7						
	58.5						
	23.9						
	263*						
	640						
	727						
	1248*						
	712						

Continued Next Page



Drilling Log

Soil Boring **SB-29**

Page: 2 of 2

Project San Juan River Gas PlantClient El Paso Natural Gas CompanyLocation Kirtland, New MexicoProject Number 193710388

Depth (ft)	PID (ppm)	% Recovery	Blow Count Recovery	Graphic Log	USCS	Description (Color, Moisture, Texture, Structure, Odor) Geologic Descriptions are Based on the USCS.	Elevation (ft)
30	56					<i>Continued</i>	
123.5					ML		5240
328							
39.0							
947*						Shale, black, small amounts of free water in fresh fractures, moderately to strongly cemented, some very thin to thin bedding, odor. *MW-29 @ 34'.	
35	699					Shale, sandy in bottom 2', gray, dry, no free water in fresh fractures, strongly to very strongly cemented, very thin to thin bedding, odor.	5235
579							
269							
1640							
769							
40	368					Shale, sandy, some silt, dark brown with depth, moist, less strongly cemented than above.	5230
3070							
557							
89.5						Shale and silt, gray, dry, minor yellow crystals.	
28.4							
45	4.2					Shale, dark gray, dry to a very minor amount of free water in fresh fractures, loose/wet zone at 49.5' with strong odor, very strongly cemented, very thin to thin bedding.	5225
288							
192							
21.7							
76.4							
50	3900					Shale, dark gray, dry, very thin to thin bedding, odor.	5220
2178							
444						Shale, dark gray, very thin to thin bedding, becomes more thickly bedded with depth, odor.	
735							
393							
55	75.4					Shale, dry, strongly cemented, thinly bedded in upper portion becoming thickly bedded with depth, slight odor from 57.5-60'.	5215
489							
72.9							
120							
460							
60	22.7					End of boring = 60'.	5210
65							5205
70							

Drilling Log SJRP-GPJ MWH IA GDT 3/28/24

APPENDIX H

Groundwater Laboratory Analytical Reports



APPENDIX H1

Low-Flow Groundwater Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

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JOB DESCRIPTION

San Juan River Plant RIWP

JOB NUMBER

400-246412-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

Eurofins Pensacola

Job Notes

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

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(850)471-6222

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

Laboratory Job ID: 400-246412-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project: San Juan River Plant RIWP

Job ID: 400-246412-1

Job ID: 400-246412-1

Eurofins Pensacola

Job Narrative
400-246412-1**Receipt**

The samples were received on 11/9/2023 9:41 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0° C.

GC/MS VOA

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-16 (400-246412-3). Elevated reporting limits (RLs) are provided.

HPLC/IC

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649943 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: W-2 (400-246412-1), MW-6 (400-246412-2) and MW-16 (400-246412-3). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-650124 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were diluted due to the abundance of non-target analytes: W-2 (400-246412-1), MW-6 (400-246412-2) and MW-16 (400-246412-3). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649945 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 400-649945 was outside control limits. Sample matrix interference is suspected.

Method 300.0: Reanalysis of the following samples were performed outside of the analytical holding time due to dilute the abundance of non-target analytes: W-2 (400-246412-1), MW-6 (400-246412-2) and MW-16 (400-246412-3).

Method 300.0: The following samples were analyzed outside of analytical holding time due to machine malfunction causing machine the machine to stop overnight: W-2 (400-246412-1), MW-6 (400-246412-2) and MW-16 (400-246412-3).

Metals

Method 6010D: The method blank for preparation batch 400-650096 and analytical batch 400-650690 contained Molybdenum, Dissolved above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

Eurofins Pensacola

Detection Summary

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

Job ID: 400-246412-1

Client Sample ID: W-2

Lab Sample ID: 400-246412-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	210		10	2.5	mg/L	10		300.0	Total/NA
Nitrate as N	11	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	11	H	1.0	0.63	mg/L	10		300.0	Total/NA
Sulfate - DL	2600		100	39	mg/L	100		300.0	Total/NA
Barium, Dissolved	0.011		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.60		0.20	0.11	mg/L	2		6010D	Dissolved
Lead, Dissolved	0.0028	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Molybdenum, Dissolved	0.0099	J	0.20	0.0080	mg/L	2		6010D	Dissolved
Selenium, Dissolved	0.052		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	230		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	4600		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 400-246412-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	590		50	13	mg/L	50		300.0	Total/NA
Nitrate as N	27	H	5.0	3.2	mg/L	50		300.0	Total/NA
Nitrate Nitrite as N	27	H	5.0	3.2	mg/L	50		300.0	Total/NA
Sulfate - DL	10000		500	200	mg/L	500		300.0	Total/NA
Aluminum, Dissolved	21		0.20	0.10	mg/L	1		6010D	Dissolved
Arsenic, Dissolved	0.0068	J	0.010	0.0060	mg/L	1		6010D	Dissolved
Boron, Dissolved	1.0		0.20	0.11	mg/L	2		6010D	Dissolved
Cadmium, Dissolved	0.014		0.0050	0.0020	mg/L	1		6010D	Dissolved
Cobalt, Dissolved	0.33		0.010	0.0030	mg/L	1		6010D	Dissolved
Copper, Dissolved	0.030		0.020	0.017	mg/L	1		6010D	Dissolved
Iron, Dissolved	0.25		0.20	0.075	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0092	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	10		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.41		0.0060	0.0030	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.18		0.020	0.0080	mg/L	1		6010D	Dissolved
Zinc, Dissolved	0.77		0.020	0.0080	mg/L	1		6010D	Dissolved
Total Dissolved Solids	16000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16

Lab Sample ID: 400-246412-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.22		0.0050	0.0025	mg/L	5		8260D	Total/NA
Ethylbenzene	0.11		0.0050	0.0025	mg/L	5		8260D	Total/NA
Xylenes, Total	0.52		0.050	0.0080	mg/L	5		8260D	Total/NA
Chloride	1200		100	25	mg/L	100		300.0	Total/NA
Sulfate - DL	18000		1000	390	mg/L	1000		300.0	Total/NA
Arsenic, Dissolved	0.061		0.010	0.0060	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.013		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.37		0.20	0.11	mg/L	2		6010D	Dissolved
Chromium, Dissolved	0.0065	J	0.010	0.0050	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0078	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	0.058		0.010	0.0060	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.17		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	3500		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	33000		50	50	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-246412-1

Client Sample ID: TB-01

Lab Sample ID: 400-246412-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

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

Job ID: 400-246412-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
300.0	Anions, Ion Chromatography	EPA	EET PEN
6010D	Metals (ICP)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2320B	Alkalinity	SM	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

- EPA = US Environmental Protection Agency
- 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:

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

Sample Summary

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

Job ID: 400-246412-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246412-1	W-2	Water	11/08/23 09:20	11/09/23 09:41
400-246412-2	MW-6	Water	11/08/23 11:35	11/09/23 09:41
400-246412-3	MW-16	Water	11/08/23 13:28	11/09/23 09:41
400-246412-4	TB-01	Water	11/08/23 12:00	11/09/23 09:41

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Client Sample Results

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

Job ID: 400-246412-1

Client Sample ID: W-2

Lab Sample ID: 400-246412-1

Date Collected: 11/08/23 09:20

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 09:26	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 09:26	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 09:26	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 09:26	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 130					11/15/23 09:26	1
Dibromofluoromethane	108		75 - 126					11/15/23 09:26	1
Toluene-d8 (Surr)	94		64 - 132					11/15/23 09:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		10	2.5	mg/L			11/13/23 22:01	10
Nitrate as N	11	H	1.0	0.63	mg/L			11/13/23 22:01	10
Nitrate Nitrite as N	11	H	1.0	0.63	mg/L			11/13/23 22:01	10
Nitrite as N	0.83	U H	1.0	0.83	mg/L			11/13/23 22:01	10

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2600		100	39	mg/L			11/14/23 18:46	100

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 10:30	11/15/23 14:28	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:28	1
Barium, Dissolved	0.011		0.010	0.010	mg/L		11/14/23 10:30	11/15/23 14:28	1
Boron, Dissolved	0.60		0.20	0.11	mg/L		11/14/23 10:30	11/22/23 23:37	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 10:30	11/15/23 14:28	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 10:30	11/15/23 14:28	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/14/23 10:30	11/15/23 14:28	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 10:30	11/15/23 14:28	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 10:30	11/16/23 14:18	1
Lead, Dissolved	0.0028	J	0.010	0.0020	mg/L		11/14/23 10:30	11/15/23 14:28	1
Manganese, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:28	1
Molybdenum, Dissolved	0.0099	J	0.20	0.0080	mg/L		11/14/23 10:30	11/22/23 23:37	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/14/23 10:30	11/15/23 14:28	1
Selenium, Dissolved	0.052		0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:28	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 10:30	11/15/23 14:28	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:28	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	230		1.0	0.50	mg/L			11/15/23 12:18	1
Total Dissolved Solids (SM 2540C)	4600		50	50	mg/L			11/10/23 13:39	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-246412-1

Client Sample ID: MW-6

Lab Sample ID: 400-246412-2

Date Collected: 11/08/23 11:35

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 09:45	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 09:45	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 09:45	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 09:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	116		72 - 130					11/15/23 09:45	1
Dibromofluoromethane	113		75 - 126					11/15/23 09:45	1
Toluene-d8 (Surr)	91		64 - 132					11/15/23 09:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	590		50	13	mg/L			11/13/23 22:09	50
Nitrate as N	27	H	5.0	3.2	mg/L			11/13/23 22:09	50
Nitrate Nitrite as N	27	H	5.0	3.2	mg/L			11/13/23 22:09	50
Nitrite as N	4.2	U H	5.0	4.2	mg/L			11/13/23 22:09	50

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	10000		500	200	mg/L			11/14/23 18:53	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	21		0.20	0.10	mg/L		11/14/23 10:30	11/15/23 14:32	1
Arsenic, Dissolved	0.0068	J	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:32	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/14/23 10:30	11/15/23 14:32	1
Boron, Dissolved	1.0		0.20	0.11	mg/L		11/14/23 10:30	11/22/23 23:42	2
Cadmium, Dissolved	0.014		0.0050	0.0020	mg/L		11/14/23 10:30	11/15/23 14:32	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 10:30	11/15/23 14:32	1
Cobalt, Dissolved	0.33		0.010	0.0030	mg/L		11/14/23 10:30	11/15/23 14:32	1
Copper, Dissolved	0.030		0.020	0.017	mg/L		11/14/23 10:30	11/15/23 14:32	1
Iron, Dissolved	0.25		0.20	0.075	mg/L		11/14/23 10:30	11/16/23 14:22	1
Lead, Dissolved	0.0092	J	0.010	0.0020	mg/L		11/14/23 10:30	11/15/23 14:32	1
Manganese, Dissolved	10		0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:32	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/14/23 10:30	11/22/23 23:42	2
Nickel, Dissolved	0.41		0.0060	0.0030	mg/L		11/14/23 10:30	11/15/23 14:32	1
Selenium, Dissolved	0.18		0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:32	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 10:30	11/15/23 14:32	1
Zinc, Dissolved	0.77		0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:32	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	0.50	U	1.0	0.50	mg/L			11/15/23 12:20	1
Total Dissolved Solids (SM 2540C)	16000		50	50	mg/L			11/10/23 13:39	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-246412-1

Client Sample ID: MW-16

Lab Sample ID: 400-246412-3

Date Collected: 11/08/23 13:28

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.22		0.0050	0.0025	mg/L			11/15/23 11:03	5
Ethylbenzene	0.11		0.0050	0.0025	mg/L			11/15/23 11:03	5
Toluene	0.0045	U	0.0050	0.0045	mg/L			11/15/23 11:03	5
Xylenes, Total	0.52		0.050	0.0080	mg/L			11/15/23 11:03	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	124		72 - 130					11/15/23 11:03	5
Dibromofluoromethane	109		75 - 126					11/15/23 11:03	5
Toluene-d8 (Surr)	97		64 - 132					11/15/23 11:03	5

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		100	25	mg/L			11/13/23 22:31	100
Nitrate as N	6.3	U H	10	6.3	mg/L			11/13/23 22:31	100
Nitrate Nitrite as N	6.3	U H	10	6.3	mg/L			11/13/23 22:31	100
Nitrite as N	8.3	U H	10	8.3	mg/L			11/13/23 22:31	100

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18000		1000	390	mg/L			11/14/23 19:01	1000

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 10:30	11/15/23 14:36	1
Arsenic, Dissolved	0.061		0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:36	1
Barium, Dissolved	0.013		0.010	0.010	mg/L		11/14/23 10:30	11/15/23 14:36	1
Boron, Dissolved	0.37		0.20	0.11	mg/L		11/14/23 10:30	11/22/23 23:47	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 10:30	11/15/23 14:36	1
Chromium, Dissolved	0.0065	J	0.010	0.0050	mg/L		11/14/23 10:30	11/15/23 14:36	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/14/23 10:30	11/15/23 14:36	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 10:30	11/15/23 14:36	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 10:30	11/16/23 14:26	1
Lead, Dissolved	0.0078	J	0.010	0.0020	mg/L		11/14/23 10:30	11/15/23 14:36	1
Manganese, Dissolved	0.058		0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:36	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/14/23 10:30	11/22/23 23:47	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/14/23 10:30	11/15/23 14:36	1
Selenium, Dissolved	0.17		0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:36	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 10:30	11/15/23 14:36	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:36	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	3500		1.0	0.50	mg/L			11/22/23 14:08	1
Total Dissolved Solids (SM 2540C)	33000		50	50	mg/L			11/10/23 13:39	1

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Client Sample Results

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

Job ID: 400-246412-1

Client Sample ID: TB-01

Date Collected: 11/08/23 12:00

Date Received: 11/09/23 09:41

Lab Sample ID: 400-246412-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/17/23 15:35	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/23 15:35	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/17/23 15:35	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/17/23 15:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130		11/17/23 15:35	1
Dibromofluoromethane	111		75 - 126		11/17/23 15:35	1
Toluene-d8 (Surr)	104		64 - 132		11/17/23 15:35	1

Definitions/Glossary

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

Job ID: 400-246412-1

Qualifiers

GC/MS VOA

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

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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

Glossary

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

Surrogate Summary

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

Job ID: 400-246412-1

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (72-130)	DBFM (75-126)	TOL (64-132)
400-246412-1	W-2	111	108	94
400-246412-2	MW-6	116	113	91
400-246412-3	MW-16	124	109	97
400-246412-4	TB-01	108	111	104
LCS 400-650290/1002	Lab Control Sample	111	103	88
LCS 400-650761/1001	Lab Control Sample	105	106	103
MB 400-650290/5	Method Blank	108	107	88
MB 400-650761/3	Method Blank	107	110	103

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

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

Job ID: 400-246412-1

Client Sample ID: W-2

Lab Sample ID: 400-246412-1

Date Collected: 11/08/23 09:20

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 09:26	WPD	EET PEN
Total/NA	Analysis	300.0		10			649943	11/13/23 22:01	JN	EET PEN
Total/NA	Analysis	300.0		10			649945	11/13/23 22:01	JN	EET PEN
Total/NA	Analysis	300.0	DL	100			650124	11/14/23 18:46	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/22/23 23:37	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 14:28	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 14:18	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:31	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 12:18	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: MW-6

Lab Sample ID: 400-246412-2

Date Collected: 11/08/23 11:35

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 09:45	WPD	EET PEN
Total/NA	Analysis	300.0		50			649943	11/13/23 22:09	JN	EET PEN
Total/NA	Analysis	300.0		50			649945	11/13/23 22:09	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650124	11/14/23 18:53	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/22/23 23:42	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 14:32	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 14:22	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:32	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 12:20	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

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Lab Chronicle

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

Job ID: 400-246412-1

Client Sample ID: MW-16

Lab Sample ID: 400-246412-3

Date Collected: 11/08/23 13:28

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	650290	11/15/23 11:03	WPD	EET PEN
Total/NA	Analysis	300.0		100			649943	11/13/23 22:31	JN	EET PEN
Total/NA	Analysis	300.0		100			649945	11/13/23 22:31	JN	EET PEN
Total/NA	Analysis	300.0	DL	1000			650124	11/14/23 19:01	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/22/23 23:47	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 14:36	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 14:26	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:34	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 14:08	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: TB-01

Lab Sample ID: 400-246412-4

Date Collected: 11/08/23 12:00

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650761	11/17/23 15:35	WPD	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649682/1

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	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649943/113

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			649943	11/13/23 19:31	JN	EET PEN

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Lab Chronicle

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

Job ID: 400-246412-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649945/113

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			649945	11/13/23 19:31	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650096/1-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	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			651714	11/22/23 23:26	FC	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			650551	11/15/23 14:13	FC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650104/14-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	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:17	JR	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650124/137

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			650124	11/14/23 16:38	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650290/5

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	8260D		1	5 mL	5 mL	650290	11/15/23 08:28	WPD	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650351/2

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	50 mL	50 mL	650351	11/15/23 09:51	JP	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246412-1

Client Sample ID: Method Blank**Lab Sample ID: MB 400-650761/3****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	8260D		1	5 mL	5 mL	650761	11/17/23 12:53	WPD	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-651562/1****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 2320B		1	50 mL	50 mL	651562	11/22/23 13:36	JP	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649682/2****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	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649943/114****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			649943	11/13/23 19:38	JN	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649945/114****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			649945	11/13/23 19:38	JN	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-650096/2-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	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			651714	11/22/23 23:32	FC	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			650551	11/15/23 14:17	FC	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246412-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650104/15-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	650104	11/14/23 10:46	JR	EET PEN
Completed:								11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:18	JR	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650124/138

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			650124	11/14/23 16:46	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650290/1002

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 07:30	WPD	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650351/4

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	50 mL	50 mL	650351	11/15/23 10:00	JP	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650761/1001

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650761	11/17/23 11:23	WPD	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-651562/3

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	50 mL	50 mL	651562	11/22/23 13:45	JP	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649943/115

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			649943	11/13/23 19:46	JN	EET PEN

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Lab Chronicle

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

Job ID: 400-246412-1

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-649945/115
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			649945	11/13/23 19:46	JN	EET PEN

Client Sample ID: Lab Control Sample Dup
Date Collected: N/A
Date Received: N/A

Lab Sample ID: LCSD 400-650124/139
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			650124	11/14/23 16:53	JN	EET PEN

Client Sample ID: MW-16
Date Collected: 11/08/23 13:28
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246412-3 DU
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

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

QC Association Summary

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

Job ID: 400-246412-1

GC/MS VOA

Analysis Batch: 650290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Total/NA	Water	8260D	
400-246412-2	MW-6	Total/NA	Water	8260D	
400-246412-3	MW-16	Total/NA	Water	8260D	
MB 400-650290/5	Method Blank	Total/NA	Water	8260D	
LCS 400-650290/1002	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 650761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-4	TB-01	Total/NA	Water	8260D	
MB 400-650761/3	Method Blank	Total/NA	Water	8260D	
LCS 400-650761/1001	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 649943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Total/NA	Water	300.0	
400-246412-2	MW-6	Total/NA	Water	300.0	
400-246412-3	MW-16	Total/NA	Water	300.0	
MB 400-649943/113	Method Blank	Total/NA	Water	300.0	
LCS 400-649943/114	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649943/115	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 649945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Total/NA	Water	300.0	
400-246412-2	MW-6	Total/NA	Water	300.0	
400-246412-3	MW-16	Total/NA	Water	300.0	
MB 400-649945/113	Method Blank	Total/NA	Water	300.0	
LCS 400-649945/114	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649945/115	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 650124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1 - DL	W-2	Total/NA	Water	300.0	
400-246412-2 - DL	MW-6	Total/NA	Water	300.0	
400-246412-3 - DL	MW-16	Total/NA	Water	300.0	
MB 400-650124/137	Method Blank	Total/NA	Water	300.0	
LCS 400-650124/138	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-650124/139	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 650096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Dissolved	Water	3005A	
400-246412-2	MW-6	Dissolved	Water	3005A	
400-246412-3	MW-16	Dissolved	Water	3005A	
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

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QC Association Summary

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

Job ID: 400-246412-1

Metals

Prep Batch: 650104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Dissolved	Water	7470A	
400-246412-2	MW-6	Dissolved	Water	7470A	
400-246412-3	MW-16	Dissolved	Water	7470A	
MB 400-650104/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-650104/15-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 650360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Dissolved	Water	7470A	650104
400-246412-2	MW-6	Dissolved	Water	7470A	650104
400-246412-3	MW-16	Dissolved	Water	7470A	650104
MB 400-650104/14-A	Method Blank	Total/NA	Water	7470A	650104
LCS 400-650104/15-A	Lab Control Sample	Total/NA	Water	7470A	650104

Analysis Batch: 650551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Dissolved	Water	6010D	650096
400-246412-2	MW-6	Dissolved	Water	6010D	650096
400-246412-3	MW-16	Dissolved	Water	6010D	650096
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	6010D	650096
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650096

Analysis Batch: 650764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Dissolved	Water	6010D	650096
400-246412-2	MW-6	Dissolved	Water	6010D	650096
400-246412-3	MW-16	Dissolved	Water	6010D	650096

Analysis Batch: 651714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Dissolved	Water	6010D	650096
400-246412-2	MW-6	Dissolved	Water	6010D	650096
400-246412-3	MW-16	Dissolved	Water	6010D	650096
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	6010D	650096
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650096

General Chemistry

Analysis Batch: 649682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Total/NA	Water	SM 2540C	
400-246412-2	MW-6	Total/NA	Water	SM 2540C	
400-246412-3	MW-16	Total/NA	Water	SM 2540C	
MB 400-649682/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-649682/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-246412-3 DU	MW-16	Total/NA	Water	SM 2540C	

Analysis Batch: 650351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-1	W-2	Total/NA	Water	SM 2320B	
400-246412-2	MW-6	Total/NA	Water	SM 2320B	

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QC Association Summary

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

Job ID: 400-246412-1

General Chemistry (Continued)

Analysis Batch: 650351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-650351/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-650351/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 651562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246412-3	MW-16	Total/NA	Water	SM 2320B	
MB 400-651562/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-651562/3	Lab Control Sample	Total/NA	Water	SM 2320B	

QC Sample Results

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

Job ID: 400-246412-1

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

Lab Sample ID: MB 400-650290/5

Matrix: Water

Analysis Batch: 650290

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 08:28	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 08:28	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 08:28	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 08:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130		11/15/23 08:28	1
Dibromofluoromethane	107		75 - 126		11/15/23 08:28	1
Toluene-d8 (Surr)	88		64 - 132		11/15/23 08:28	1

Lab Sample ID: LCS 400-650290/1002

Matrix: Water

Analysis Batch: 650290

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	0.0543		mg/L		109	70 - 130
Ethylbenzene	0.0500	0.0456		mg/L		91	70 - 130
Toluene	0.0500	0.0451		mg/L		90	70 - 130
Xylenes, Total	0.100	0.0938		mg/L		94	70 - 130
m-Xylene & p-Xylene	0.0500	0.0466		mg/L		93	70 - 130
o-Xylene	0.0500	0.0471		mg/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	111		72 - 130
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	88		64 - 132

Lab Sample ID: MB 400-650761/3

Matrix: Water

Analysis Batch: 650761

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/17/23 12:53	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/23 12:53	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/17/23 12:53	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/17/23 12:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 130		11/17/23 12:53	1
Dibromofluoromethane	110		75 - 126		11/17/23 12:53	1
Toluene-d8 (Surr)	103		64 - 132		11/17/23 12:53	1

Lab Sample ID: LCS 400-650761/1001

Matrix: Water

Analysis Batch: 650761

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	0.0537		mg/L		107	70 - 130

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QC Sample Results

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

Job ID: 400-246412-1

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

Lab Sample ID: LCS 400-650761/1001

Matrix: Water

Analysis Batch: 650761

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.0500	0.0539		mg/L		108	70 - 130
Toluene	0.0500	0.0555		mg/L		111	70 - 130
Xylenes, Total	0.100	0.104		mg/L		104	70 - 130
m-Xylene & p-Xylene	0.0500	0.0526		mg/L		105	70 - 130
o-Xylene	0.0500	0.0518		mg/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		72 - 130
Dibromofluoromethane	106		75 - 126
Toluene-d8 (Surr)	103		64 - 132

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-649943/113

Matrix: Water

Analysis Batch: 649943

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	1.0	0.25	mg/L			11/13/23 19:31	1

Lab Sample ID: LCS 400-649943/114

Matrix: Water

Analysis Batch: 649943

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	9.37		mg/L		94	90 - 110

Lab Sample ID: LCSD 400-649943/115

Matrix: Water

Analysis Batch: 649943

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	9.32		mg/L		93	90 - 110	0	15

Lab Sample ID: MB 400-649945/113

Matrix: Water

Analysis Batch: 649945

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			11/13/23 19:31	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/13/23 19:31	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/13/23 19:31	1

Lab Sample ID: LCS 400-649945/114

Matrix: Water

Analysis Batch: 649945

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	2.22		mg/L		98	90 - 110
Nitrate Nitrite as N	5.30	5.00		mg/L		94	90 - 110

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QC Sample Results

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

Job ID: 400-246412-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 400-649945/114

Matrix: Water

Analysis Batch: 649945

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	3.04	2.78		mg/L		91	90 - 110

Lab Sample ID: LCSD 400-649945/115

Matrix: Water

Analysis Batch: 649945

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	2.22		mg/L		98	90 - 110	0	15
Nitrate Nitrite as N	5.30	4.99		mg/L		94	90 - 110	0	15
Nitrite as N	3.04	2.77		mg/L		91	90 - 110	0	15

Lab Sample ID: MB 400-650124/137

Matrix: Water

Analysis Batch: 650124

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.39	U	1.0	0.39	mg/L			11/14/23 16:38	1

Lab Sample ID: LCS 400-650124/138

Matrix: Water

Analysis Batch: 650124

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.26		mg/L		93	90 - 110

Lab Sample ID: LCSD 400-650124/139

Matrix: Water

Analysis Batch: 650124

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
Sulfate	10.0	9.17		mg/L		92	90 - 110	1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-650096/1-A

Matrix: Water

Analysis Batch: 650551

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 10:30	11/15/23 14:13	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:13	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/14/23 10:30	11/15/23 14:13	1
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 10:30	11/15/23 14:13	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 10:30	11/15/23 14:13	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/14/23 10:30	11/15/23 14:13	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 10:30	11/15/23 14:13	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 10:30	11/15/23 14:13	1
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/14/23 10:30	11/15/23 14:13	1
Manganese, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:13	1
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/14/23 10:30	11/15/23 14:13	1

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QC Sample Results

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

Job ID: 400-246412-1

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

Lab Sample ID: MB 400-650096/1-A

Matrix: Water

Analysis Batch: 650551

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:13	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 10:30	11/15/23 14:13	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:13	1

Lab Sample ID: MB 400-650096/1-A

Matrix: Water

Analysis Batch: 651714

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	0.053	U	0.10	0.053	mg/L		11/14/23 10:30	11/22/23 23:26	1
Molybdenum, Dissolved	0.0040	U	0.10	0.0040	mg/L		11/14/23 10:30	11/22/23 23:26	1

Lab Sample ID: LCS 400-650096/2-A

Matrix: Water

Analysis Batch: 650551

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum, Dissolved	10.0	10.1		mg/L		101	80 - 120
Arsenic, Dissolved	1.00	0.981		mg/L		98	80 - 120
Barium, Dissolved	1.00	1.03		mg/L		103	80 - 120
Cadmium, Dissolved	0.500	0.521		mg/L		104	80 - 120
Chromium, Dissolved	1.00	0.970		mg/L		97	80 - 120
Cobalt, Dissolved	1.00	1.03		mg/L		103	80 - 120
Copper, Dissolved	1.00	1.05		mg/L		105	80 - 120
Iron, Dissolved	10.0	8.79		mg/L		88	80 - 120
Lead, Dissolved	1.00	1.00		mg/L		100	80 - 120
Manganese, Dissolved	1.00	0.934		mg/L		93	80 - 120
Nickel, Dissolved	1.00	1.03		mg/L		103	80 - 120
Selenium, Dissolved	1.00	1.08		mg/L		108	80 - 120
Silver, Dissolved	0.500	0.485		mg/L		97	80 - 120
Zinc, Dissolved	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: LCS 400-650096/2-A

Matrix: Water

Analysis Batch: 651714

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	1.00	1.00		mg/L		100	80 - 120
Molybdenum, Dissolved	1.00	1.01		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-650104/14-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 650104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:17	1

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246412-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 400-650104/15-A
Matrix: Water
Analysis Batch: 650360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 650104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00100	0.00105		mg/L		105	80 - 120

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 400-650351/2
Matrix: Water
Analysis Batch: 650351

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			11/15/23 09:51	1

Lab Sample ID: LCS 400-650351/4
Matrix: Water
Analysis Batch: 650351

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	106	101		mg/L		95	80 - 120

Lab Sample ID: MB 400-651562/1
Matrix: Water
Analysis Batch: 651562

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			11/22/23 13:36	1

Lab Sample ID: LCS 400-651562/3
Matrix: Water
Analysis Batch: 651562

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	1060	969		mg/L		92	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-649682/1
Matrix: Water
Analysis Batch: 649682

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			11/10/23 13:39	1

Lab Sample ID: LCS 400-649682/2
Matrix: Water
Analysis Batch: 649682

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	292		mg/L		100	78 - 122

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246412-1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 400-246412-3 DU					Client Sample ID: MW-16				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 649682									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit	
Total Dissolved Solids	33000		32900		mg/L		0.7	5	

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-246412-1

Login Number: 246412

List Source: Eurofins Pensacola

List Number: 1

Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Ver: 06/08/2021

Accreditation/Certification Summary

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

Job ID: 400-246412-1

Laboratory: Eurofins Pensacola

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

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/30/2023 9:27:32 PM

JOB DESCRIPTION

CMI Kinder Morgan San Juan

JOB NUMBER

400-246477-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

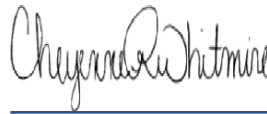
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Job Notes

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

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

Authorization



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(850)471-6222

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Laboratory Job ID: 400-246477-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Job ID: 400-246477-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-246477-1

Receipt

The samples were received on 11/10/2023 9:19 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 2.8° C.

HPLC/IC

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649935 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-26 (400-246477-1). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649937 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following sample was diluted due to the abundance of non-target analytes: MW-26 (400-246477-1). Elevated reporting limits (RLs) are provided.

Method 300.0: Reanalysis of the following sample was performed outside of the analytical holding time due to dilution needed: MW-26 (400-246477-1).

Metals

Method 6010D: The method blank for preparation batch 400-650096 and analytical batch 400-650690 contained Molybdenum, Dissolved above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

Detection Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Client Sample ID: MW-26

Lab Sample ID: 400-246477-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0011		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	490		50	13	mg/L	50		300.0	Total/NA
Sulfate - DL	9500		500	200	mg/L	500		300.0	Total/NA
Arsenic, Dissolved	0.0065	J	0.010	0.0060	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.015		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.93		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.033		0.010	0.0030	mg/L	1		6010D	Dissolved
Iron, Dissolved	0.33		0.20	0.075	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0042	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	4.6		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.038		0.0060	0.0030	mg/L	1		6010D	Dissolved
Zinc, Dissolved	0.021		0.020	0.0080	mg/L	1		6010D	Dissolved
Mercury, Dissolved	0.00015	J	0.00020	0.00015	mg/L	1		7470A	Dissolved
Alkalinity, Total	630		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	16000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TB-01

Lab Sample ID: 400-246477-2

No Detections.

Method Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
300.0	Anions, Ion Chromatography	EPA	EET PEN
6010D	Metals (ICP)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2320B	Alkalinity	SM	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

- EPA = US Environmental Protection Agency
- 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:

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

Sample Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246477-1	MW-26	Water	11/09/23 07:25	11/10/23 09:19
400-246477-2	TB-01	Water	11/09/23 07:00	11/10/23 09:19

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Client Sample ID: MW-26

Lab Sample ID: 400-246477-1

Date Collected: 11/09/23 07:25

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0011		0.0010	0.00050	mg/L			11/15/23 17:40	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 17:40	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 17:40	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		72 - 130					11/15/23 17:40	1
Dibromofluoromethane	93		75 - 126					11/15/23 17:40	1
Toluene-d8 (Surr)	108		64 - 132					11/15/23 17:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		50	13	mg/L			11/13/23 17:53	50
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 21:40	1
Nitrate as N	3.2	U H	5.0	3.2	mg/L			11/13/23 17:53	50
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 21:40	1
Nitrate Nitrite as N	3.2	U H	5.0	3.2	mg/L			11/13/23 17:53	50
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 21:40	1
Nitrite as N	4.2	U H	5.0	4.2	mg/L			11/13/23 17:53	50

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	9500		500	200	mg/L			11/14/23 21:01	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 11:25	11/15/23 14:56	1
Arsenic, Dissolved	0.0065	J	0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 14:56	1
Barium, Dissolved	0.015		0.010	0.010	mg/L		11/14/23 11:25	11/15/23 14:56	1
Boron, Dissolved	0.93		0.20	0.11	mg/L		11/14/23 11:25	11/22/23 23:53	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 11:25	11/15/23 14:56	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 11:25	11/15/23 14:56	1
Cobalt, Dissolved	0.033		0.010	0.0030	mg/L		11/14/23 11:25	11/15/23 14:56	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 11:25	11/15/23 14:56	1
Iron, Dissolved	0.33		0.20	0.075	mg/L		11/14/23 11:25	11/16/23 14:34	1
Lead, Dissolved	0.0042	J	0.010	0.0020	mg/L		11/14/23 11:25	11/15/23 14:56	1
Manganese, Dissolved	4.6		0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 14:56	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/14/23 11:25	11/22/23 23:53	2
Nickel, Dissolved	0.038		0.0060	0.0030	mg/L		11/14/23 11:25	11/15/23 14:56	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 14:56	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 11:25	11/15/23 14:56	1
Zinc, Dissolved	0.021		0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 14:56	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	J	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	630		1.0	0.50	mg/L			11/20/23 12:36	1
Total Dissolved Solids (SM 2540C)	16000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Client Sample ID: TB-01 Lab Sample ID: 400-246477-2
Date Collected: 11/09/23 07:00 Matrix: Water
Date Received: 11/10/23 09:19

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 17:15	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 17:15	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 17:15	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 17:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		72 - 130					11/15/23 17:15	1
Dibromofluoromethane	91		75 - 126					11/15/23 17:15	1
Toluene-d8 (Surr)	108		64 - 132					11/15/23 17:15	1

Definitions/Glossary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Qualifiers

GC/MS VOA

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

HPLC/IC

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

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

Glossary

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

Surrogate Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

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

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (72-130)	DBFM (75-126)	TOL (64-132)
400-246477-1	MW-26	105	93	108
400-246477-2	TB-01	104	91	108
LCS 400-650302/1001	Lab Control Sample	107	97	105
MB 400-650302/3	Method Blank	108	92	108
Surrogate Legend				
BFB = 4-Bromofluorobenzene				
DBFM = Dibromofluoromethane				
TOL = Toluene-d8 (Surr)				

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Client Sample ID: MW-26

Lab Sample ID: 400-246477-1

Date Collected: 11/09/23 07:25

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 17:40	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649719	11/10/23 21:40	JN	EET PEN
Total/NA	Analysis	300.0		50			649935	11/13/23 17:53	JN	EET PEN
Total/NA	Analysis	300.0		50			649937	11/13/23 17:53	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650132	11/14/23 21:01	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/22/23 23:53	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 14:56	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 14:34	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:48	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651199	11/20/23 12:36	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: TB-01

Lab Sample ID: 400-246477-2

Date Collected: 11/09/23 07:00

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 17:15	BPO	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649719/142

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			649719	11/10/23 20:55	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649935/85

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			649935	11/13/23 15:59	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649937/85

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			649937	11/13/23 15:59	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650096/1-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	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			651714	11/22/23 23:26	FC	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			650551	11/15/23 14:13	FC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650104/14-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	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:17	JR	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650132/166

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			650132	11/14/23 20:31	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650302/3

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	8260D		1	5 mL	5 mL	650302	11/15/23 14:19	BPO	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650540/1

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	650540	11/16/23 07:46	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Client Sample ID: Method Blank**Lab Sample ID: MB 400-651199/2****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	50 mL	50 mL	651199	11/20/23 12:02	JP	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649719/143****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			649719	11/10/23 21:03	JN	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649935/86****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			649935	11/13/23 16:06	JN	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649937/86****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			649937	11/13/23 16:06	JN	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-650096/2-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	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			651714	11/22/23 23:32	FC	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			650551	11/15/23 14:17	FC	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-650104/15-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	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:18	JR	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650132/167

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			650132	11/14/23 20:16	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650302/1001

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 13:20	BPO	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650540/2

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	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-651199/4

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	50 mL	50 mL	651199	11/20/23 12:11	JP	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649719/145

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			649719	11/10/23 21:10	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649935/87

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			649935	11/13/23 16:14	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649937/87

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			649937	11/13/23 16:14	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-650132/168

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			650132	11/14/23 20:23	JN	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

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

QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

GC/MS VOA

Analysis Batch: 650302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Total/NA	Water	8260D	
400-246477-2	TB-01	Total/NA	Water	8260D	
MB 400-650302/3	Method Blank	Total/NA	Water	8260D	
LCS 400-650302/1001	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 649719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Total/NA	Water	300.0	
MB 400-649719/142	Method Blank	Total/NA	Water	300.0	
LCS 400-649719/143	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649719/145	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 649935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Total/NA	Water	300.0	
MB 400-649935/85	Method Blank	Total/NA	Water	300.0	
LCS 400-649935/86	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649935/87	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 649937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Total/NA	Water	300.0	
MB 400-649937/85	Method Blank	Total/NA	Water	300.0	
LCS 400-649937/86	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649937/87	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 650132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1 - DL	MW-26	Total/NA	Water	300.0	
MB 400-650132/166	Method Blank	Total/NA	Water	300.0	
LCS 400-650132/167	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-650132/168	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 650096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Dissolved	Water	3005A	
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 650104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Dissolved	Water	7470A	
MB 400-650104/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-650104/15-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 650360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Dissolved	Water	7470A	650104

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QC Association Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Metals (Continued)

Analysis Batch: 650360 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-650104/14-A	Method Blank	Total/NA	Water	7470A	650104
LCS 400-650104/15-A	Lab Control Sample	Total/NA	Water	7470A	650104

Analysis Batch: 650551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Dissolved	Water	6010D	650096
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	6010D	650096
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650096

Analysis Batch: 650764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Dissolved	Water	6010D	650096

Analysis Batch: 651714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Dissolved	Water	6010D	650096
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	6010D	650096
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650096

General Chemistry

Analysis Batch: 650540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Total/NA	Water	SM 2540C	
MB 400-650540/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-650540/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 651199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246477-1	MW-26	Total/NA	Water	SM 2320B	
MB 400-651199/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-651199/4	Lab Control Sample	Total/NA	Water	SM 2320B	

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

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

Lab Sample ID: MB 400-650302/3

Matrix: Water

Analysis Batch: 650302

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 14:19	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 14:19	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 14:19	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 14:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130		11/15/23 14:19	1
Dibromofluoromethane	92		75 - 126		11/15/23 14:19	1
Toluene-d8 (Surr)	108		64 - 132		11/15/23 14:19	1

Lab Sample ID: LCS 400-650302/1001

Matrix: Water

Analysis Batch: 650302

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	0.0512		mg/L		102	70 - 130
Ethylbenzene	0.0500	0.0549		mg/L		110	70 - 130
Toluene	0.0500	0.0540		mg/L		108	70 - 130
Xylenes, Total	0.100	0.108		mg/L		108	70 - 130
m-Xylene & p-Xylene	0.0500	0.0548		mg/L		110	70 - 130
o-Xylene	0.0500	0.0533		mg/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	107		72 - 130
Dibromofluoromethane	97		75 - 126
Toluene-d8 (Surr)	105		64 - 132

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-649719/142

Matrix: Water

Analysis Batch: 649719

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			11/10/23 20:55	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 20:55	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 20:55	1

Lab Sample ID: LCS 400-649719/143

Matrix: Water

Analysis Batch: 649719

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	2.31		mg/L		102	90 - 110
Nitrate Nitrite as N	5.30	5.10		mg/L		96	90 - 110
Nitrite as N	3.04	2.79		mg/L		92	90 - 110

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-649719/145

Matrix: Water

Analysis Batch: 649719

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	2.31		mg/L		102	90 - 110	0	15
Nitrate Nitrite as N	5.30	5.10		mg/L		96	90 - 110	0	15
Nitrite as N	3.04	2.79		mg/L		92	90 - 110	0	15

Lab Sample ID: MB 400-649935/85

Matrix: Water

Analysis Batch: 649935

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	1.0	0.25	mg/L			11/13/23 15:59	1

Lab Sample ID: LCS 400-649935/86

Matrix: Water

Analysis Batch: 649935

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	9.27		mg/L		93	90 - 110

Lab Sample ID: LCSD 400-649935/87

Matrix: Water

Analysis Batch: 649935

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	9.25		mg/L		93	90 - 110	0	15

Lab Sample ID: MB 400-649937/85

Matrix: Water

Analysis Batch: 649937

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			11/13/23 15:59	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/13/23 15:59	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/13/23 15:59	1

Lab Sample ID: LCS 400-649937/86

Matrix: Water

Analysis Batch: 649937

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	2.18		mg/L		97	90 - 110
Nitrate Nitrite as N	5.30	4.92		mg/L		93	90 - 110
Nitrite as N	3.04	2.74		mg/L		90	90 - 110

Lab Sample ID: LCSD 400-649937/87

Matrix: Water

Analysis Batch: 649937

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	1	15
Nitrate Nitrite as N	5.30	4.95		mg/L		93	90 - 110	1	15

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-649937/87

Matrix: Water

Analysis Batch: 649937

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
Nitrite as N	3.04	2.75		mg/L		91	90 - 110	0	15

Lab Sample ID: MB 400-650132/166

Matrix: Water

Analysis Batch: 650132

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.39	U	1.0	0.39	mg/L			11/14/23 20:31	1

Lab Sample ID: LCS 400-650132/167

Matrix: Water

Analysis Batch: 650132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfate	10.0	9.29		mg/L		93	90 - 110		

Lab Sample ID: LCSD 400-650132/168

Matrix: Water

Analysis Batch: 650132

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
Sulfate	10.0	9.35		mg/L		94	90 - 110	1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-650096/1-A

Matrix: Water

Analysis Batch: 650551

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 10:30	11/15/23 14:13	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:13	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/14/23 10:30	11/15/23 14:13	1
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 10:30	11/15/23 14:13	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 10:30	11/15/23 14:13	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/14/23 10:30	11/15/23 14:13	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 10:30	11/15/23 14:13	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 10:30	11/15/23 14:13	1
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/14/23 10:30	11/15/23 14:13	1
Manganese, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:13	1
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/14/23 10:30	11/15/23 14:13	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:13	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 10:30	11/15/23 14:13	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:13	1

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

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

Lab Sample ID: MB 400-650096/1-A

Matrix: Water

Analysis Batch: 651714

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	0.053	U	0.10	0.053	mg/L		11/14/23 10:30	11/22/23 23:26	1
Molybdenum, Dissolved	0.0040	U	0.10	0.0040	mg/L		11/14/23 10:30	11/22/23 23:26	1

Lab Sample ID: LCS 400-650096/2-A

Matrix: Water

Analysis Batch: 650551

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum, Dissolved	10.0	10.1		mg/L		101	80 - 120
Arsenic, Dissolved	1.00	0.981		mg/L		98	80 - 120
Barium, Dissolved	1.00	1.03		mg/L		103	80 - 120
Cadmium, Dissolved	0.500	0.521		mg/L		104	80 - 120
Chromium, Dissolved	1.00	0.970		mg/L		97	80 - 120
Cobalt, Dissolved	1.00	1.03		mg/L		103	80 - 120
Copper, Dissolved	1.00	1.05		mg/L		105	80 - 120
Iron, Dissolved	10.0	8.79		mg/L		88	80 - 120
Lead, Dissolved	1.00	1.00		mg/L		100	80 - 120
Manganese, Dissolved	1.00	0.934		mg/L		93	80 - 120
Nickel, Dissolved	1.00	1.03		mg/L		103	80 - 120
Selenium, Dissolved	1.00	1.08		mg/L		108	80 - 120
Silver, Dissolved	0.500	0.485		mg/L		97	80 - 120
Zinc, Dissolved	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: LCS 400-650096/2-A

Matrix: Water

Analysis Batch: 651714

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	1.00	1.00		mg/L		100	80 - 120
Molybdenum, Dissolved	1.00	1.01		mg/L		101	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-650104/14-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 650104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:17	1

Lab Sample ID: LCS 400-650104/15-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 650104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00100	0.00105		mg/L		105	80 - 120

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QC Sample Results

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 400-651199/2

Matrix: Water

Analysis Batch: 651199

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			11/20/23 12:02	1

Lab Sample ID: LCS 400-651199/4

Matrix: Water

Analysis Batch: 651199

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	106	101		mg/L		96	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-650540/1

Matrix: Water

Analysis Batch: 650540

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			11/16/23 07:46	1

Lab Sample ID: LCS 400-650540/2

Matrix: Water

Analysis Batch: 650540

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	286		mg/L		98	78 - 122

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Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-246477-1

Login Number: 246477

List Number: 1

Creator: Perez, Trina M

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15

Accreditation/Certification Summary

Client: Stantec Consulting Services Inc
Project/Site: CMI Kinder Morgan San Juan

Job ID: 400-246477-1

Laboratory: Eurofins Pensacola

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

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

APPENDIX H2

HydraSleeve™ Groundwater Laboratory Analytical Reports



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 12/28/2023 3:38:54 PM

JOB DESCRIPTION

San Juan River Plant RWIP

JOB NUMBER

400-246410-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

Eurofins Pensacola

Job Notes

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Authorization



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(850)471-6222

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

Laboratory Job ID: 400-246410-1

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Case Narrative

Client: Stantec Consulting Services Inc
Project: San Juan River Plant RWIP

Job ID: 400-246410-1

Job ID: 400-246410-1

Eurofins Pensacola

Job Narrative 400-246410-1

Receipt

The samples were received on 11/9/2023 9:41 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.0° C.

GC/MS VOA

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-16 (400-246410-4), MW-17 (400-246410-5) and DUP-01 (400-246410-6). Elevated reporting limits (RLs) are provided.

HPLC/IC

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649943 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: W-2 (400-246410-1), MW-4 (400-246410-2), MW-6 (400-246410-3), MW-16 (400-246410-4), MW-17 (400-246410-5) and DUP-01 (400-246410-6). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-650124 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were diluted due to the abundance of non-target analytes: W-2 (400-246410-1), MW-4 (400-246410-2), MW-6 (400-246410-3), MW-16 (400-246410-4), MW-17 (400-246410-5) and DUP-01 (400-246410-6). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649945 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) precision for analytical batch 400-649945 was outside control limits. Sample matrix interference is suspected.

Method 300.0: Reanalysis of the following samples were performed outside of the analytical holding time due to dilute the abundance of non-target analytes: W-2 (400-246410-1), MW-4 (400-246410-2), MW-6 (400-246410-3), MW-16 (400-246410-4), MW-17 (400-246410-5) and DUP-01 (400-246410-6).

Method 300.0: The following samples were analyzed outside of analytical holding time due to machine malfunction causing machine the machine to stop overnight: W-2 (400-246410-1), MW-4 (400-246410-2), MW-6 (400-246410-3), MW-16 (400-246410-4), MW-17 (400-246410-5) and DUP-01 (400-246410-6).

Metals

Method 6010D: The method blank for preparation batch 400-650096 and analytical batch 400-650690 contained Molybdenum, Dissolved above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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

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Detection Summary

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

Job ID: 400-246410-1

Client Sample ID: W-2

Lab Sample ID: 400-246410-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	210		10	2.5	mg/L	10		300.0	Total/NA
Nitrate as N	11	H	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	11	H	1.0	0.63	mg/L	10		300.0	Total/NA
Sulfate - DL	2600		100	39	mg/L	100		300.0	Total/NA
Boron, Dissolved	0.77		0.20	0.11	mg/L	2		6010D	Dissolved
Lead, Dissolved	0.0040	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	0.057		0.010	0.0060	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.020		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	300		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	4600		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4

Lab Sample ID: 400-246410-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	320		20	5.0	mg/L	20		300.0	Total/NA
Nitrate as N	3.6	H	2.0	1.3	mg/L	20		300.0	Total/NA
Nitrate Nitrite as N	3.6	H	2.0	1.3	mg/L	20		300.0	Total/NA
Sulfate - DL	2200		200	78	mg/L	200		300.0	Total/NA
Boron, Dissolved	0.81		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.074		0.010	0.0030	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0028	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	3.0		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.13		0.0060	0.0030	mg/L	1		6010D	Dissolved
Zinc, Dissolved	0.027		0.020	0.0080	mg/L	1		6010D	Dissolved
Mercury, Dissolved	0.00015	J	0.00020	0.00015	mg/L	1		7470A	Dissolved
Alkalinity, Total	780		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	5100		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-6

Lab Sample ID: 400-246410-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	600	F1	50	13	mg/L	50		300.0	Total/NA
Nitrate as N	40	H F1	5.0	3.2	mg/L	50		300.0	Total/NA
Nitrate Nitrite as N	40	H F1	5.0	3.2	mg/L	50		300.0	Total/NA
Sulfate - DL	9300	F1	500	200	mg/L	500		300.0	Total/NA
Aluminum, Dissolved	12	F1	0.20	0.10	mg/L	1		6010D	Dissolved
Arsenic, Dissolved	0.0068	J	0.010	0.0060	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.86		0.20	0.11	mg/L	2		6010D	Dissolved
Cadmium, Dissolved	0.0081		0.0050	0.0020	mg/L	1		6010D	Dissolved
Cobalt, Dissolved	0.20		0.010	0.0030	mg/L	1		6010D	Dissolved
Copper, Dissolved	0.038		0.020	0.017	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0086	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	7.0		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.25		0.0060	0.0030	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.20		0.020	0.0080	mg/L	1		6010D	Dissolved
Zinc, Dissolved	0.51		0.020	0.0080	mg/L	1		6010D	Dissolved
Total Dissolved Solids	15000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-16

Lab Sample ID: 400-246410-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.28		0.0050	0.0025	mg/L	5		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-246410-1

Client Sample ID: MW-16 (Continued)

Lab Sample ID: 400-246410-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.19		0.0050	0.0025	mg/L	5		8260D	Total/NA
Xylenes, Total	0.96		0.050	0.0080	mg/L	5		8260D	Total/NA
Chloride	1100		100	25	mg/L	100		300.0	Total/NA
Sulfate - DL	18000		1000	390	mg/L	1000		300.0	Total/NA
Arsenic, Dissolved	0.060		0.010	0.0060	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.015		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.36		0.20	0.11	mg/L	2		6010D	Dissolved
Lead, Dissolved	0.0069	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	0.024		0.010	0.0060	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.17		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	3500		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	33000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-17

Lab Sample ID: 400-246410-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.8		0.025	0.013	mg/L	25		8260D	Total/NA
Ethylbenzene	0.048		0.025	0.013	mg/L	25		8260D	Total/NA
Toluene	1.6		0.025	0.023	mg/L	25		8260D	Total/NA
Xylenes, Total	2.9		0.25	0.040	mg/L	25		8260D	Total/NA
Chloride	910		50	13	mg/L	50		300.0	Total/NA
Sulfate - DL	5100		200	78	mg/L	200		300.0	Total/NA
Alkalinity, Total	3600		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	14000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-01

Lab Sample ID: 400-246410-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.29		0.0050	0.0025	mg/L	5		8260D	Total/NA
Ethylbenzene	0.19		0.0050	0.0025	mg/L	5		8260D	Total/NA
Xylenes, Total	0.96		0.050	0.0080	mg/L	5		8260D	Total/NA
Chloride	2600		100	25	mg/L	100		300.0	Total/NA
Sulfate - DL	16000		2000	780	mg/L	2000		300.0	Total/NA
Arsenic, Dissolved	0.064		0.010	0.0060	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.014		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.34		0.20	0.11	mg/L	2		6010D	Dissolved
Lead, Dissolved	0.0076	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	0.026		0.010	0.0060	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.17		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	3500		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	33000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TB-01

Lab Sample ID: 400-246410-7

No Detections.

Method Summary

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

Job ID: 400-246410-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
300.0	Anions, Ion Chromatography	EPA	EET PEN
6010D	Metals (ICP)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2320B	Alkalinity	SM	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

EPA = US Environmental Protection Agency

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:

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

Eurofins Pensacola

Sample Summary

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

Job ID: 400-246410-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246410-1	W-2	Water	11/08/23 09:55	11/09/23 09:41
400-246410-2	MW-4	Water	11/08/23 10:25	11/09/23 09:41
400-246410-3	MW-6	Water	11/08/23 11:58	11/09/23 09:41
400-246410-4	MW-16	Water	11/08/23 13:45	11/09/23 09:41
400-246410-5	MW-17	Water	11/08/23 14:40	11/09/23 09:41
400-246410-6	DUP-01	Water	11/08/23 12:00	11/09/23 09:41
400-246410-7	TB-01	Water	11/08/23 09:01	11/09/23 09:41

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

Client Sample Results

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

Job ID: 400-246410-1

Client Sample ID: W-2

Lab Sample ID: 400-246410-1

Date Collected: 11/08/23 09:55

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 10:05	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 10:05	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 10:05	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 10:05	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		72 - 130					11/15/23 10:05	1
Dibromofluoromethane	106		75 - 126					11/15/23 10:05	1
Toluene-d8 (Surr)	94		64 - 132					11/15/23 10:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		10	2.5	mg/L			11/13/23 21:01	10
Nitrate as N	11	H	1.0	0.63	mg/L			11/13/23 21:01	10
Nitrate Nitrite as N	11	H	1.0	0.63	mg/L			11/13/23 21:01	10
Nitrite as N	0.83	U H	1.0	0.83	mg/L			11/13/23 21:01	10

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2600		100	39	mg/L			11/14/23 17:31	100

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 11:25	11/15/23 15:00	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 15:00	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/14/23 11:25	11/15/23 15:00	1
Boron, Dissolved	0.77		0.20	0.11	mg/L		11/14/23 11:25	11/22/23 23:58	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 11:25	11/15/23 15:00	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 11:25	11/15/23 15:00	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/14/23 11:25	11/15/23 15:00	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 11:25	11/15/23 15:00	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 11:25	11/16/23 15:06	1
Lead, Dissolved	0.0040	J	0.010	0.0020	mg/L		11/14/23 11:25	11/15/23 15:00	1
Manganese, Dissolved	0.057		0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 15:00	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/14/23 11:25	11/22/23 23:58	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/14/23 11:25	11/15/23 15:00	1
Selenium, Dissolved	0.020		0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:00	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 11:25	11/15/23 15:00	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:00	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	300		1.0	0.50	mg/L			11/15/23 10:07	1
Total Dissolved Solids (SM 2540C)	4600		50	50	mg/L			11/10/23 13:39	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-246410-1

Client Sample ID: MW-4

Lab Sample ID: 400-246410-2

Date Collected: 11/08/23 10:25

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 08:47	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 08:47	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 08:47	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 08:47	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 130					11/15/23 08:47	1
Dibromofluoromethane	103		75 - 126					11/15/23 08:47	1
Toluene-d8 (Surr)	94		64 - 132					11/15/23 08:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		20	5.0	mg/L			11/13/23 21:09	20
Nitrate as N	3.6	H	2.0	1.3	mg/L			11/13/23 21:09	20
Nitrate Nitrite as N	3.6	H	2.0	1.3	mg/L			11/13/23 21:09	20
Nitrite as N	1.7	U H	2.0	1.7	mg/L			11/13/23 21:09	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2200		200	78	mg/L			11/14/23 17:38	200

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 11:25	11/15/23 15:04	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 15:04	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/14/23 11:25	11/15/23 15:04	1
Boron, Dissolved	0.81		0.20	0.11	mg/L		11/14/23 11:25	11/23/23 00:14	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 11:25	11/15/23 15:04	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 11:25	11/15/23 15:04	1
Cobalt, Dissolved	0.074		0.010	0.0030	mg/L		11/14/23 11:25	11/15/23 15:04	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 11:25	11/15/23 15:04	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 11:25	11/16/23 15:10	1
Lead, Dissolved	0.0028	J	0.010	0.0020	mg/L		11/14/23 11:25	11/15/23 15:04	1
Manganese, Dissolved	3.0		0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 15:04	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/14/23 11:25	11/23/23 00:14	2
Nickel, Dissolved	0.13		0.0060	0.0030	mg/L		11/14/23 11:25	11/15/23 15:04	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:04	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 11:25	11/15/23 15:04	1
Zinc, Dissolved	0.027		0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:04	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	J	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	780		1.0	0.50	mg/L			11/15/23 10:27	1
Total Dissolved Solids (SM 2540C)	5100		50	50	mg/L			11/10/23 13:39	1

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Client Sample Results

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

Job ID: 400-246410-1

Client Sample ID: MW-6

Lab Sample ID: 400-246410-3

Date Collected: 11/08/23 11:58

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 09:06	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 09:06	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 09:06	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 09:06	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	115		72 - 130					11/15/23 09:06	1
Dibromofluoromethane	102		75 - 126					11/15/23 09:06	1
Toluene-d8 (Surr)	99		64 - 132					11/15/23 09:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	600	F1	50	13	mg/L			11/13/23 21:16	50
Nitrate as N	40	H F1	5.0	3.2	mg/L			11/13/23 21:16	50
Nitrate Nitrite as N	40	H F1	5.0	3.2	mg/L			11/13/23 21:16	50
Nitrite as N	4.2	U H F1	5.0	4.2	mg/L			11/13/23 21:16	50

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	9300	F1	500	200	mg/L			11/14/23 17:46	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	12	F1	0.20	0.10	mg/L		11/14/23 11:25	11/15/23 15:16	1
Arsenic, Dissolved	0.0068	J	0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 15:16	1
Barium, Dissolved	0.010	U F1	0.010	0.010	mg/L		11/14/23 11:25	11/15/23 15:16	1
Boron, Dissolved	0.86		0.20	0.11	mg/L		11/14/23 11:25	11/23/23 00:19	2
Cadmium, Dissolved	0.0081		0.0050	0.0020	mg/L		11/14/23 11:25	11/15/23 15:16	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 11:25	11/15/23 15:16	1
Cobalt, Dissolved	0.20		0.010	0.0030	mg/L		11/14/23 11:25	11/15/23 15:16	1
Copper, Dissolved	0.038		0.020	0.017	mg/L		11/14/23 11:25	11/15/23 15:16	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 11:25	11/16/23 15:14	1
Lead, Dissolved	0.0086	J	0.010	0.0020	mg/L		11/14/23 11:25	11/15/23 15:16	1
Manganese, Dissolved	7.0		0.010	0.0060	mg/L		11/14/23 11:25	11/16/23 15:14	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/14/23 11:25	11/23/23 00:19	2
Nickel, Dissolved	0.25		0.0060	0.0030	mg/L		11/14/23 11:25	11/15/23 15:16	1
Selenium, Dissolved	0.20		0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:16	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 11:25	11/15/23 15:16	1
Zinc, Dissolved	0.51		0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:16	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	0.50	U	1.0	0.50	mg/L			11/15/23 10:31	1
Total Dissolved Solids (SM 2540C)	15000		50	50	mg/L			11/10/23 13:39	1

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Client Sample Results

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

Job ID: 400-246410-1

Client Sample ID: MW-16

Lab Sample ID: 400-246410-4

Date Collected: 11/08/23 13:45

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.28		0.0050	0.0025	mg/L			11/15/23 10:24	5
Ethylbenzene	0.19		0.0050	0.0025	mg/L			11/15/23 10:24	5
Toluene	0.0045	U	0.0050	0.0045	mg/L			11/15/23 10:24	5
Xylenes, Total	0.96		0.050	0.0080	mg/L			11/15/23 10:24	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	120		72 - 130					11/15/23 10:24	5
Dibromofluoromethane	114		75 - 126					11/15/23 10:24	5
Toluene-d8 (Surr)	100		64 - 132					11/15/23 10:24	5

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		100	25	mg/L			11/13/23 21:39	100
Nitrate as N	6.3	U H	10	6.3	mg/L			11/13/23 21:39	100
Nitrate Nitrite as N	6.3	U H	10	6.3	mg/L			11/13/23 21:39	100
Nitrite as N	8.3	U H	10	8.3	mg/L			11/13/23 21:39	100

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	18000		1000	390	mg/L			11/14/23 18:23	1000

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 11:25	11/15/23 15:36	1
Arsenic, Dissolved	0.060		0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 15:36	1
Barium, Dissolved	0.015		0.010	0.010	mg/L		11/14/23 11:25	11/15/23 15:36	1
Boron, Dissolved	0.36		0.20	0.11	mg/L		11/14/23 11:25	11/23/23 00:35	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 11:25	11/15/23 15:36	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 11:25	11/15/23 15:36	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/14/23 11:25	11/15/23 15:36	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 11:25	11/15/23 15:36	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 11:25	11/16/23 15:26	1
Lead, Dissolved	0.0069	J	0.010	0.0020	mg/L		11/14/23 11:25	11/15/23 15:36	1
Manganese, Dissolved	0.024		0.010	0.0060	mg/L		11/14/23 11:25	11/16/23 15:26	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/14/23 11:25	11/23/23 00:35	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/14/23 11:25	11/15/23 15:36	1
Selenium, Dissolved	0.17		0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:36	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 11:25	11/15/23 15:36	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:36	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	3500		1.0	0.50	mg/L			11/22/23 15:19	1
Total Dissolved Solids (SM 2540C)	33000		50	50	mg/L			11/10/23 13:39	1

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Client Sample Results

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

Job ID: 400-246410-1

Client Sample ID: MW-17

Lab Sample ID: 400-246410-5

Date Collected: 11/08/23 14:40

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.8		0.025	0.013	mg/L			11/15/23 11:22	25
Ethylbenzene	0.048		0.025	0.013	mg/L			11/15/23 11:22	25
Toluene	1.6		0.025	0.023	mg/L			11/15/23 11:22	25
Xylenes, Total	2.9		0.25	0.040	mg/L			11/15/23 11:22	25

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 130					11/15/23 11:22	25
Dibromofluoromethane	115		75 - 126					11/15/23 11:22	25
Toluene-d8 (Surr)	95		64 - 132					11/15/23 11:22	25

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	910		50	13	mg/L			11/13/23 21:46	50
Nitrate as N	3.2	U H	5.0	3.2	mg/L			11/13/23 21:46	50
Nitrate Nitrite as N	3.2	U H	5.0	3.2	mg/L			11/13/23 21:46	50
Nitrite as N	4.2	U H	5.0	4.2	mg/L			11/13/23 21:46	50

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	5100		200	78	mg/L			11/14/23 18:31	200

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	3600		1.0	0.50	mg/L			11/22/23 15:26	1
Total Dissolved Solids (SM 2540C)	14000		50	50	mg/L			11/10/23 13:39	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-246410-1

Client Sample ID: DUP-01

Lab Sample ID: 400-246410-6

Date Collected: 11/08/23 12:00

Matrix: Water

Date Received: 11/09/23 09:41

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.29		0.0050	0.0025	mg/L			11/15/23 10:43	5
Ethylbenzene	0.19		0.0050	0.0025	mg/L			11/15/23 10:43	5
Toluene	0.0045	U	0.0050	0.0045	mg/L			11/15/23 10:43	5
Xylenes, Total	0.96		0.050	0.0080	mg/L			11/15/23 10:43	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	123		72 - 130					11/15/23 10:43	5
Dibromofluoromethane	111		75 - 126					11/15/23 10:43	5
Toluene-d8 (Surr)	99		64 - 132					11/15/23 10:43	5

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2600		100	25	mg/L			11/13/23 21:54	100
Nitrate as N	6.3	U H	10	6.3	mg/L			11/13/23 21:54	100
Nitrate Nitrite as N	6.3	U H	10	6.3	mg/L			11/13/23 21:54	100
Nitrite as N	8.3	U H	10	8.3	mg/L			11/13/23 21:54	100

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	16000		2000	780	mg/L			11/14/23 18:38	2000

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 11:25	11/15/23 15:40	1
Arsenic, Dissolved	0.064		0.010	0.0060	mg/L		11/14/23 11:25	11/15/23 15:40	1
Barium, Dissolved	0.014		0.010	0.010	mg/L		11/14/23 11:25	11/15/23 15:40	1
Boron, Dissolved	0.34		0.20	0.11	mg/L		11/14/23 11:25	11/23/23 00:40	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 11:25	11/15/23 15:40	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 11:25	11/15/23 15:40	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/14/23 11:25	11/15/23 15:40	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 11:25	11/15/23 15:40	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 11:25	11/16/23 15:30	1
Lead, Dissolved	0.0076	J	0.010	0.0020	mg/L		11/14/23 11:25	11/15/23 15:40	1
Manganese, Dissolved	0.026		0.010	0.0060	mg/L		11/14/23 11:25	11/16/23 15:30	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/14/23 11:25	11/23/23 00:40	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/14/23 11:25	11/15/23 15:40	1
Selenium, Dissolved	0.17		0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:40	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 11:25	11/15/23 15:40	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 11:25	11/15/23 15:40	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	3500		1.0	0.50	mg/L			11/22/23 13:52	1
Total Dissolved Solids (SM 2540C)	33000		50	50	mg/L			11/10/23 13:39	1

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Client Sample Results

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

Job ID: 400-246410-1

Client Sample ID: TB-01
Date Collected: 11/08/23 09:01
Date Received: 11/09/23 09:41

Lab Sample ID: 400-246410-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/17/23 16:02	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/23 16:02	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/17/23 16:02	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/17/23 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 130		11/17/23 16:02	1
Dibromofluoromethane	113		75 - 126		11/17/23 16:02	1
Toluene-d8 (Surr)	104		64 - 132		11/17/23 16:02	1

Definitions/Glossary

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

Job ID: 400-246410-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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. This does not meet regulatory requirements.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

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.
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.

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

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Definitions/Glossary

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

Job ID: 400-246410-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

Surrogate Summary

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

Job ID: 400-246410-1

Method: 8260D - Volatile Organic Compounds by GC/MS**Matrix: Water****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (72-130)	DBFM (75-126)	TOL (64-132)
400-246410-1	W-2	111	106	94
400-246410-2	MW-4	110	103	94
400-246410-3	MW-6	115	102	99
400-246410-3 MS	MW-6	117	97	97
400-246410-3 MSD	MW-6	121	103	101
400-246410-4	MW-16	120	114	100
400-246410-5	MW-17	110	115	95
400-246410-6	DUP-01	123	111	99
400-246410-7	TB-01	106	113	104
LCS 400-650290/1002	Lab Control Sample	111	103	88
LCS 400-650761/1001	Lab Control Sample	105	106	103
MB 400-650290/5	Method Blank	108	107	88
MB 400-650761/3	Method Blank	107	110	103

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

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

Job ID: 400-246410-1

Client Sample ID: W-2

Lab Sample ID: 400-246410-1

Date Collected: 11/08/23 09:55

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 10:05	WPD	EET PEN
Total/NA	Analysis	300.0		10			649943	11/13/23 21:01	JN	EET PEN
Total/NA	Analysis	300.0		10			649945	11/13/23 21:01	JN	EET PEN
Total/NA	Analysis	300.0	DL	100			650124	11/14/23 17:31	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/22/23 23:58	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 15:00	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 15:06	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:19	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 10:07	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: MW-4

Lab Sample ID: 400-246410-2

Date Collected: 11/08/23 10:25

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 08:47	WPD	EET PEN
Total/NA	Analysis	300.0		20			649943	11/13/23 21:09	JN	EET PEN
Total/NA	Analysis	300.0		20			649945	11/13/23 21:09	JN	EET PEN
Total/NA	Analysis	300.0	DL	200			650124	11/14/23 17:38	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 00:14	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 15:04	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 15:10	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:20	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 10:27	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

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Lab Chronicle

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

Job ID: 400-246410-1

Client Sample ID: MW-6

Lab Sample ID: 400-246410-3

Date Collected: 11/08/23 11:58

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 09:06	WPD	EET PEN
Total/NA	Analysis	300.0		50			649943	11/13/23 21:16	JN	EET PEN
Total/NA	Analysis	300.0		50			649945	11/13/23 21:16	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650124	11/14/23 17:46	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 00:19	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 15:16	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 15:14	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:22	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 10:31	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: MW-16

Lab Sample ID: 400-246410-4

Date Collected: 11/08/23 13:45

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	650290	11/15/23 10:24	WPD	EET PEN
Total/NA	Analysis	300.0		100			649943	11/13/23 21:39	JN	EET PEN
Total/NA	Analysis	300.0		100			649945	11/13/23 21:39	JN	EET PEN
Total/NA	Analysis	300.0	DL	1000			650124	11/14/23 18:23	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 00:35	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 15:36	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 15:26	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:26	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 15:19	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

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Lab Chronicle

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

Job ID: 400-246410-1

Client Sample ID: MW-17

Lab Sample ID: 400-246410-5

Date Collected: 11/08/23 14:40

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		25	5 mL	5 mL	650290	11/15/23 11:22	WPD	EET PEN
Total/NA	Analysis	300.0		50			649943	11/13/23 21:46	JN	EET PEN
Total/NA	Analysis	300.0		50			649945	11/13/23 21:46	JN	EET PEN
Total/NA	Analysis	300.0	DL	200			650124	11/14/23 18:31	JN	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 15:26	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: DUP-01

Lab Sample ID: 400-246410-6

Date Collected: 11/08/23 12:00

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	650290	11/15/23 10:43	WPD	EET PEN
Total/NA	Analysis	300.0		100			649943	11/13/23 21:54	JN	EET PEN
Total/NA	Analysis	300.0		100			649945	11/13/23 21:54	JN	EET PEN
Total/NA	Analysis	300.0	DL	2000			650124	11/14/23 18:38	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 00:40	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 15:40	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 15:30	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:28	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 13:52	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: TB-01

Lab Sample ID: 400-246410-7

Date Collected: 11/08/23 09:01

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650761	11/17/23 16:02	WPD	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649682/1

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	649682	11/10/23 13:39	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246410-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649943/113

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			649943	11/13/23 19:31	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649945/113

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			649945	11/13/23 19:31	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650096/1-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	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			651714	11/22/23 23:26	FC	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	650096	11/14/23 10:30	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			650551	11/15/23 14:13	FC	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650104/14-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	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:17	JR	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650124/137

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			650124	11/14/23 16:38	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650290/5

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	8260D		1	5 mL	5 mL	650290	11/15/23 08:28	WPD	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246410-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650351/2

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	50 mL	50 mL	650351	11/15/23 09:51	JP	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650761/3

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	8260D		1	5 mL	5 mL	650761	11/17/23 12:53	WPD	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-651562/1

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 2320B		1	50 mL	50 mL	651562	11/22/23 13:36	JP	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-649682/2

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	649682	11/10/23 13:39	HA	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-649943/114

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			649943	11/13/23 19:38	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-649945/114

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			649945	11/13/23 19:38	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650096/2-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	650096	11/14/23 10:30	MS	EET PEN
Completed:								11/14/23 13:56 ¹		
Total Recoverable	Analysis	6010D		1			651714	11/22/23 23:32	FC	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246410-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650096/2-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	650096	11/14/23 10:30	MS	EET PEN
Total Recoverable	Analysis	6010D		1			650551	11/15/23 14:17	FC	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650104/15-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	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:18	JR	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650124/138

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			650124	11/14/23 16:46	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650290/1002

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 07:30	WPD	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650351/4

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	50 mL	50 mL	650351	11/15/23 10:00	JP	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650761/1001

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650761	11/17/23 11:23	WPD	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-651562/3

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	50 mL	50 mL	651562	11/22/23 13:45	JP	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246410-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649943/115

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			649943	11/13/23 19:46	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649945/115

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			649945	11/13/23 19:46	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-650124/139

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			650124	11/14/23 16:53	JN	EET PEN

Client Sample ID: MW-6

Lab Sample ID: 400-246410-3 MS

Date Collected: 11/08/23 11:58

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 11:41	WPD	EET PEN
Total/NA	Analysis	300.0		50			649943	11/13/23 21:24	JN	EET PEN
Total/NA	Analysis	300.0		50			649945	11/13/23 21:24	JN	EET PEN
Total/NA	Analysis	300.0		500			650124	11/14/23 18:08	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
Completed:								11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 00:24	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
Completed:								11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 15:28	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
Completed:								11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 15:18	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
Completed:								11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:24	JR	EET PEN

Client Sample ID: MW-6

Lab Sample ID: 400-246410-3 MSD

Date Collected: 11/08/23 11:58

Matrix: Water

Date Received: 11/09/23 09:41

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650290	11/15/23 12:01	WPD	EET PEN
Total/NA	Analysis	300.0		50			649943	11/13/23 21:31	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246410-1

Client Sample ID: MW-6

Date Collected: 11/08/23 11:58

Date Received: 11/09/23 09:41

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			649945	11/13/23 21:31	JN	EET PEN
Total/NA	Analysis	300.0		500			650124	11/14/23 18:16	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 00:30	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650551	11/15/23 15:32	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650096	11/14/23 11:25	MS	EET PEN
							Completed:	11/14/23 13:56 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 15:22	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:25	JR	EET PEN

Client Sample ID: W-2

Date Collected: 11/08/23 09:55

Date Received: 11/09/23 09:41

Lab Sample ID: 400-246410-1 DU

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 10:14	JP	EET PEN

Client Sample ID: DUP-01

Date Collected: 11/08/23 12:00

Date Received: 11/09/23 09:41

Lab Sample ID: 400-246410-6 DU

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 14:00	JP	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-246410-1

GC/MS VOA

Analysis Batch: 650290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Total/NA	Water	8260D	
400-246410-2	MW-4	Total/NA	Water	8260D	
400-246410-3	MW-6	Total/NA	Water	8260D	
400-246410-4	MW-16	Total/NA	Water	8260D	
400-246410-5	MW-17	Total/NA	Water	8260D	
400-246410-6	DUP-01	Total/NA	Water	8260D	
MB 400-650290/5	Method Blank	Total/NA	Water	8260D	
LCS 400-650290/1002	Lab Control Sample	Total/NA	Water	8260D	
400-246410-3 MS	MW-6	Total/NA	Water	8260D	
400-246410-3 MSD	MW-6	Total/NA	Water	8260D	

Analysis Batch: 650761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-7	TB-01	Total/NA	Water	8260D	
MB 400-650761/3	Method Blank	Total/NA	Water	8260D	
LCS 400-650761/1001	Lab Control Sample	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 649943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Total/NA	Water	300.0	
400-246410-2	MW-4	Total/NA	Water	300.0	
400-246410-3	MW-6	Total/NA	Water	300.0	
400-246410-4	MW-16	Total/NA	Water	300.0	
400-246410-5	MW-17	Total/NA	Water	300.0	
400-246410-6	DUP-01	Total/NA	Water	300.0	
MB 400-649943/113	Method Blank	Total/NA	Water	300.0	
LCS 400-649943/114	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649943/115	Lab Control Sample Dup	Total/NA	Water	300.0	
400-246410-3 MS	MW-6	Total/NA	Water	300.0	
400-246410-3 MSD	MW-6	Total/NA	Water	300.0	

Analysis Batch: 649945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Total/NA	Water	300.0	
400-246410-2	MW-4	Total/NA	Water	300.0	
400-246410-3	MW-6	Total/NA	Water	300.0	
400-246410-4	MW-16	Total/NA	Water	300.0	
400-246410-5	MW-17	Total/NA	Water	300.0	
400-246410-6	DUP-01	Total/NA	Water	300.0	
MB 400-649945/113	Method Blank	Total/NA	Water	300.0	
LCS 400-649945/114	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649945/115	Lab Control Sample Dup	Total/NA	Water	300.0	
400-246410-3 MS	MW-6	Total/NA	Water	300.0	
400-246410-3 MSD	MW-6	Total/NA	Water	300.0	

Analysis Batch: 650124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1 - DL	W-2	Total/NA	Water	300.0	
400-246410-2 - DL	MW-4	Total/NA	Water	300.0	

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-246410-1

HPLC/IC (Continued)

Analysis Batch: 650124 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-3 - DL	MW-6	Total/NA	Water	300.0	
400-246410-4 - DL	MW-16	Total/NA	Water	300.0	
400-246410-5 - DL	MW-17	Total/NA	Water	300.0	
400-246410-6 - DL	DUP-01	Total/NA	Water	300.0	
MB 400-650124/137	Method Blank	Total/NA	Water	300.0	
LCS 400-650124/138	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-650124/139	Lab Control Sample Dup	Total/NA	Water	300.0	
400-246410-3 MS	MW-6	Total/NA	Water	300.0	
400-246410-3 MSD	MW-6	Total/NA	Water	300.0	

Metals

Prep Batch: 650096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Dissolved	Water	3005A	
400-246410-2	MW-4	Dissolved	Water	3005A	
400-246410-3	MW-6	Dissolved	Water	3005A	
400-246410-4	MW-16	Dissolved	Water	3005A	
400-246410-6	DUP-01	Dissolved	Water	3005A	
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-246410-3 MS	MW-6	Dissolved	Water	3005A	
400-246410-3 MSD	MW-6	Dissolved	Water	3005A	

Prep Batch: 650104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Dissolved	Water	7470A	
400-246410-2	MW-4	Dissolved	Water	7470A	
400-246410-3	MW-6	Dissolved	Water	7470A	
400-246410-4	MW-16	Dissolved	Water	7470A	
400-246410-6	DUP-01	Dissolved	Water	7470A	
MB 400-650104/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-650104/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-246410-3 MS	MW-6	Dissolved	Water	7470A	
400-246410-3 MSD	MW-6	Dissolved	Water	7470A	

Analysis Batch: 650360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Dissolved	Water	7470A	650104
400-246410-2	MW-4	Dissolved	Water	7470A	650104
400-246410-3	MW-6	Dissolved	Water	7470A	650104
400-246410-4	MW-16	Dissolved	Water	7470A	650104
400-246410-6	DUP-01	Dissolved	Water	7470A	650104
MB 400-650104/14-A	Method Blank	Total/NA	Water	7470A	650104
LCS 400-650104/15-A	Lab Control Sample	Total/NA	Water	7470A	650104
400-246410-3 MS	MW-6	Dissolved	Water	7470A	650104
400-246410-3 MSD	MW-6	Dissolved	Water	7470A	650104

Analysis Batch: 650551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Dissolved	Water	6010D	650096

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QC Association Summary

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

Job ID: 400-246410-1

Metals (Continued)

Analysis Batch: 650551 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-2	MW-4	Dissolved	Water	6010D	650096
400-246410-3	MW-6	Dissolved	Water	6010D	650096
400-246410-4	MW-16	Dissolved	Water	6010D	650096
400-246410-6	DUP-01	Dissolved	Water	6010D	650096
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	6010D	650096
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650096
400-246410-3 MS	MW-6	Dissolved	Water	6010D	650096
400-246410-3 MSD	MW-6	Dissolved	Water	6010D	650096

Analysis Batch: 650764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Dissolved	Water	6010D	650096
400-246410-2	MW-4	Dissolved	Water	6010D	650096
400-246410-3	MW-6	Dissolved	Water	6010D	650096
400-246410-4	MW-16	Dissolved	Water	6010D	650096
400-246410-6	DUP-01	Dissolved	Water	6010D	650096
400-246410-3 MS	MW-6	Dissolved	Water	6010D	650096
400-246410-3 MSD	MW-6	Dissolved	Water	6010D	650096

Analysis Batch: 651714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Dissolved	Water	6010D	650096
400-246410-2	MW-4	Dissolved	Water	6010D	650096
400-246410-3	MW-6	Dissolved	Water	6010D	650096
400-246410-4	MW-16	Dissolved	Water	6010D	650096
400-246410-6	DUP-01	Dissolved	Water	6010D	650096
MB 400-650096/1-A	Method Blank	Total Recoverable	Water	6010D	650096
LCS 400-650096/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650096
400-246410-3 MS	MW-6	Dissolved	Water	6010D	650096
400-246410-3 MSD	MW-6	Dissolved	Water	6010D	650096

General Chemistry

Analysis Batch: 649682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Total/NA	Water	SM 2540C	
400-246410-2	MW-4	Total/NA	Water	SM 2540C	
400-246410-3	MW-6	Total/NA	Water	SM 2540C	
400-246410-4	MW-16	Total/NA	Water	SM 2540C	
400-246410-5	MW-17	Total/NA	Water	SM 2540C	
400-246410-6	DUP-01	Total/NA	Water	SM 2540C	
MB 400-649682/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-649682/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 650351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1	W-2	Total/NA	Water	SM 2320B	
400-246410-2	MW-4	Total/NA	Water	SM 2320B	
400-246410-3	MW-6	Total/NA	Water	SM 2320B	
MB 400-650351/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-650351/4	Lab Control Sample	Total/NA	Water	SM 2320B	

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QC Association Summary

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

Job ID: 400-246410-1

General Chemistry (Continued)

Analysis Batch: 650351 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-1 DU	W-2	Total/NA	Water	SM 2320B	

Analysis Batch: 651562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246410-4	MW-16	Total/NA	Water	SM 2320B	
400-246410-5	MW-17	Total/NA	Water	SM 2320B	
400-246410-6	DUP-01	Total/NA	Water	SM 2320B	
MB 400-651562/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-651562/3	Lab Control Sample	Total/NA	Water	SM 2320B	
400-246410-6 DU	DUP-01	Total/NA	Water	SM 2320B	

QC Sample Results

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

Job ID: 400-246410-1

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

Lab Sample ID: MB 400-650290/5

Matrix: Water

Analysis Batch: 650290

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 08:28	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 08:28	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 08:28	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 08:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130		11/15/23 08:28	1
Dibromofluoromethane	107		75 - 126		11/15/23 08:28	1
Toluene-d8 (Surr)	88		64 - 132		11/15/23 08:28	1

Lab Sample ID: LCS 400-650290/1002

Matrix: Water

Analysis Batch: 650290

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	0.0543		mg/L		109	70 - 130
Ethylbenzene	0.0500	0.0456		mg/L		91	70 - 130
Toluene	0.0500	0.0451		mg/L		90	70 - 130
Xylenes, Total	0.100	0.0938		mg/L		94	70 - 130
m-Xylene & p-Xylene	0.0500	0.0466		mg/L		93	70 - 130
o-Xylene	0.0500	0.0471		mg/L		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	111		72 - 130
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	88		64 - 132

Lab Sample ID: 400-246410-3 MS

Matrix: Water

Analysis Batch: 650290

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00050	U	0.0500	0.0529		mg/L		106	56 - 142
Ethylbenzene	0.00050	U	0.0500	0.0497		mg/L		99	58 - 131
Toluene	0.00090	U	0.0500	0.0490		mg/L		98	65 - 130
Xylenes, Total	0.0016	U	0.100	0.101		mg/L		101	59 - 130
m-Xylene & p-Xylene	0.00063	U	0.0500	0.0508		mg/L		102	57 - 130
o-Xylene	0.00060	U	0.0500	0.0506		mg/L		101	61 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	117		72 - 130
Dibromofluoromethane	97		75 - 126
Toluene-d8 (Surr)	97		64 - 132

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QC Sample Results

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

Job ID: 400-246410-1

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

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Analysis Batch: 650290

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00050	U	0.0500	0.0568		mg/L		114	56 - 142	7	30
Ethylbenzene	0.00050	U	0.0500	0.0524		mg/L		105	58 - 131	5	30
Toluene	0.00090	U	0.0500	0.0548		mg/L		110	65 - 130	11	30
Xylenes, Total	0.0016	U	0.100	0.106		mg/L		106	59 - 130	5	30
m-Xylene & p-Xylene	0.00063	U	0.0500	0.0528		mg/L		106	57 - 130	4	30
o-Xylene	0.00060	U	0.0500	0.0535		mg/L		107	61 - 130	6	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	121		72 - 130
Dibromofluoromethane	103		75 - 126
Toluene-d8 (Surr)	101		64 - 132

Lab Sample ID: MB 400-650761/3

Matrix: Water

Analysis Batch: 650761

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/17/23 12:53	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/17/23 12:53	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/17/23 12:53	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/17/23 12:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 130		11/17/23 12:53	1
Dibromofluoromethane	110		75 - 126		11/17/23 12:53	1
Toluene-d8 (Surr)	103		64 - 132		11/17/23 12:53	1

Lab Sample ID: LCS 400-650761/1001

Matrix: Water

Analysis Batch: 650761

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	0.0537		mg/L		107	70 - 130
Ethylbenzene	0.0500	0.0539		mg/L		108	70 - 130
Toluene	0.0500	0.0555		mg/L		111	70 - 130
Xylenes, Total	0.100	0.104		mg/L		104	70 - 130
m-Xylene & p-Xylene	0.0500	0.0526		mg/L		105	70 - 130
o-Xylene	0.0500	0.0518		mg/L		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		72 - 130
Dibromofluoromethane	106		75 - 126
Toluene-d8 (Surr)	103		64 - 132

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QC Sample Results

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

Job ID: 400-246410-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-649943/113

Matrix: Water

Analysis Batch: 649943

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	1.0	0.25	mg/L			11/13/23 19:31	1

Lab Sample ID: LCS 400-649943/114

Matrix: Water

Analysis Batch: 649943

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	9.37		mg/L		94	90 - 110

Lab Sample ID: LCSD 400-649943/115

Matrix: Water

Analysis Batch: 649943

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	9.32		mg/L		93	90 - 110	0	15

Lab Sample ID: 400-246410-3 MS

Matrix: Water

Analysis Batch: 649943

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	600	F1	500	18.4	J F1	mg/L		-117	80 - 120

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Analysis Batch: 649943

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	600	F1	500	19.7	J F1	mg/L		-117	80 - 120	7	20

Lab Sample ID: MB 400-649945/113

Matrix: Water

Analysis Batch: 649945

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			11/13/23 19:31	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/13/23 19:31	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/13/23 19:31	1

Lab Sample ID: LCS 400-649945/114

Matrix: Water

Analysis Batch: 649945

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	2.22		mg/L		98	90 - 110
Nitrate Nitrite as N	5.30	5.00		mg/L		94	90 - 110
Nitrite as N	3.04	2.78		mg/L		91	90 - 110

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QC Sample Results

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

Job ID: 400-246410-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-649945/115

Matrix: Water

Analysis Batch: 649945

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	2.22		mg/L		98	90 - 110	0	15
Nitrate Nitrite as N	5.30	4.99		mg/L		94	90 - 110	0	15
Nitrite as N	3.04	2.77		mg/L		91	90 - 110	0	15

Lab Sample ID: 400-246410-3 MS

Matrix: Water

Analysis Batch: 649945

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nitrate as N	40	H F1	113	3.2	U H F1	mg/L		0	80 - 120		
Nitrate Nitrite as N	40	H F1	265	3.2	U H F1	mg/L		0	80 - 120		
Nitrite as N	4.2	U H F1	152	4.2	U H F1	mg/L		0	80 - 120		

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Analysis Batch: 649945

Client Sample ID: MW-6

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	40	H F1	113	3.2	U H F1	mg/L		0	80 - 120	NC	20
Nitrate Nitrite as N	40	H F1	265	3.2	U H F1	mg/L		0	80 - 120	NC	20
Nitrite as N	4.2	U H F1	152	4.2	U H F1	mg/L		0	80 - 120	NC	20

Lab Sample ID: MB 400-650124/137

Matrix: Water

Analysis Batch: 650124

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.39	U	1.0	0.39	mg/L			11/14/23 16:38	1

Lab Sample ID: LCS 400-650124/138

Matrix: Water

Analysis Batch: 650124

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	10.0	9.26		mg/L		93	90 - 110		

Lab Sample ID: LCSD 400-650124/139

Matrix: Water

Analysis Batch: 650124

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
Sulfate	10.0	9.17		mg/L		92	90 - 110	1	15

Lab Sample ID: 400-246410-3 MS

Matrix: Water

Analysis Batch: 650124

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	9300	F1	5000	7700	F1	mg/L		-32	80 - 120		

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QC Sample Results

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

Job ID: 400-246410-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Analysis Batch: 650124

Client Sample ID: MW-6

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfate	9300	F1	5000	9430	F1	mg/L		3	80 - 120	20	20

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-650096/1-A

Matrix: Water

Analysis Batch: 650551

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/14/23 10:30	11/15/23 14:13	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:13	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/14/23 10:30	11/15/23 14:13	1
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/14/23 10:30	11/15/23 14:13	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/14/23 10:30	11/15/23 14:13	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/14/23 10:30	11/15/23 14:13	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/14/23 10:30	11/15/23 14:13	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/14/23 10:30	11/15/23 14:13	1
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/14/23 10:30	11/15/23 14:13	1
Manganese, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/14/23 10:30	11/15/23 14:13	1
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/14/23 10:30	11/15/23 14:13	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:13	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/14/23 10:30	11/15/23 14:13	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/14/23 10:30	11/15/23 14:13	1

Lab Sample ID: MB 400-650096/1-A

Matrix: Water

Analysis Batch: 651714

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	0.053	U	0.10	0.053	mg/L		11/14/23 10:30	11/22/23 23:26	1
Molybdenum, Dissolved	0.0040	U	0.10	0.0040	mg/L		11/14/23 10:30	11/22/23 23:26	1

Lab Sample ID: LCS 400-650096/2-A

Matrix: Water

Analysis Batch: 650551

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum, Dissolved	10.0	10.1		mg/L		101	80 - 120
Arsenic, Dissolved	1.00	0.981		mg/L		98	80 - 120
Barium, Dissolved	1.00	1.03		mg/L		103	80 - 120
Cadmium, Dissolved	0.500	0.521		mg/L		104	80 - 120
Chromium, Dissolved	1.00	0.970		mg/L		97	80 - 120
Cobalt, Dissolved	1.00	1.03		mg/L		103	80 - 120
Copper, Dissolved	1.00	1.05		mg/L		105	80 - 120
Iron, Dissolved	10.0	8.79		mg/L		88	80 - 120
Lead, Dissolved	1.00	1.00		mg/L		100	80 - 120
Manganese, Dissolved	1.00	0.934		mg/L		93	80 - 120
Nickel, Dissolved	1.00	1.03		mg/L		103	80 - 120
Selenium, Dissolved	1.00	1.08		mg/L		108	80 - 120

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QC Sample Results

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

Job ID: 400-246410-1

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

Lab Sample ID: LCS 400-650096/2-A

Matrix: Water

Analysis Batch: 650551

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver, Dissolved	0.500	0.485		mg/L		97	80 - 120
Zinc, Dissolved	1.00	1.05		mg/L		105	80 - 120

Lab Sample ID: LCS 400-650096/2-A

Matrix: Water

Analysis Batch: 651714

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	1.00	1.00		mg/L		100	80 - 120
Molybdenum, Dissolved	1.00	1.01		mg/L		101	80 - 120

Lab Sample ID: 400-246410-3 MS

Matrix: Water

Analysis Batch: 650551

Client Sample ID: MW-6

Prep Type: Dissolved

Prep Batch: 650096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum, Dissolved	12	F1	10.0	20.1		mg/L		79	75 - 125
Arsenic, Dissolved	0.0068	J	1.00	0.918		mg/L		91	75 - 125
Barium, Dissolved	0.010	U F1	1.00	0.606	F1	mg/L		61	75 - 125
Cadmium, Dissolved	0.0081		0.500	0.476		mg/L		94	75 - 125
Chromium, Dissolved	0.0050	U	1.00	0.862		mg/L		86	75 - 125
Cobalt, Dissolved	0.20		1.00	1.16		mg/L		96	75 - 125
Copper, Dissolved	0.038		1.00	0.989		mg/L		95	75 - 125
Lead, Dissolved	0.0086	J	1.00	0.774		mg/L		77	75 - 125
Nickel, Dissolved	0.25		1.00	1.20		mg/L		95	75 - 125
Selenium, Dissolved	0.20		1.00	1.15		mg/L		95	75 - 125
Silver, Dissolved	0.0040	U	0.500	0.428		mg/L		86	75 - 125
Zinc, Dissolved	0.51		1.00	1.33		mg/L		83	75 - 125

Lab Sample ID: 400-246410-3 MS

Matrix: Water

Analysis Batch: 650764

Client Sample ID: MW-6

Prep Type: Dissolved

Prep Batch: 650096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	0.075	U	10.0	8.82		mg/L		88	75 - 125
Manganese, Dissolved	7.0		1.00	7.20	4	mg/L		17	75 - 125
Molybdenum, Dissolved	0.0040	U *- F1	1.00	0.686	F1	mg/L		69	75 - 125

Lab Sample ID: 400-246410-3 MS

Matrix: Water

Analysis Batch: 651714

Client Sample ID: MW-6

Prep Type: Dissolved

Prep Batch: 650096

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	0.86		1.00	1.84		mg/L		97	75 - 125

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246410-1

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

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Analysis Batch: 650551

Client Sample ID: MW-6

Prep Type: Dissolved

Prep Batch: 650096

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Aluminum, Dissolved	12	F1	10.0	19.5	F1	mg/L		73	75 - 125	3	20
Arsenic, Dissolved	0.0068	J	1.00	0.910		mg/L		90	75 - 125	1	20
Barium, Dissolved	0.010	U F1	1.00	0.626	F1	mg/L		63	75 - 125	3	20
Cadmium, Dissolved	0.0081		0.500	0.473		mg/L		93	75 - 125	1	20
Chromium, Dissolved	0.0050	U	1.00	0.850		mg/L		85	75 - 125	1	20
Cobalt, Dissolved	0.20		1.00	1.15		mg/L		95	75 - 125	1	20
Copper, Dissolved	0.038		1.00	0.958		mg/L		92	75 - 125	3	20
Lead, Dissolved	0.0086	J	1.00	0.791		mg/L		78	75 - 125	2	20
Nickel, Dissolved	0.25		1.00	1.19		mg/L		94	75 - 125	1	20
Selenium, Dissolved	0.20		1.00	1.14		mg/L		94	75 - 125	1	20
Silver, Dissolved	0.0040	U	0.500	0.425		mg/L		85	75 - 125	1	20
Zinc, Dissolved	0.51		1.00	1.33		mg/L		82	75 - 125	0	20

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Analysis Batch: 650764

Client Sample ID: MW-6

Prep Type: Dissolved

Prep Batch: 650096

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Iron, Dissolved	0.075	U	10.0	8.66		mg/L		87	75 - 125	2	20
Manganese, Dissolved	7.0		1.00	7.16	4	mg/L		13	75 - 125	1	20
Molybdenum, Dissolved	0.0040	U *- F1	1.00	0.728	F1	mg/L		73	75 - 125	6	20

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Analysis Batch: 651714

Client Sample ID: MW-6

Prep Type: Dissolved

Prep Batch: 650096

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Boron, Dissolved	0.86		1.00	1.83		mg/L		97	75 - 125	0	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-650104/14-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 650104

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:17	1

Lab Sample ID: LCS 400-650104/15-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 650104

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
							Limits
Mercury, Dissolved	0.00100	0.00105		mg/L		105	80 - 120

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246410-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 400-246410-3 MS

Matrix: Water

Analysis Batch: 650360

Client Sample ID: MW-6

Prep Type: Dissolved

Prep Batch: 650104

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00015	U	0.00200	0.00188		mg/L		94	80 - 120

Lab Sample ID: 400-246410-3 MSD

Matrix: Water

Analysis Batch: 650360

Client Sample ID: MW-6

Prep Type: Dissolved

Prep Batch: 650104

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury, Dissolved	0.00015	U	0.00200	0.00187		mg/L		94	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 400-650351/2

Matrix: Water

Analysis Batch: 650351

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			11/15/23 09:51	1

Lab Sample ID: LCS 400-650351/4

Matrix: Water

Analysis Batch: 650351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	106	101		mg/L		95	80 - 120

Lab Sample ID: 400-246410-1 DU

Matrix: Water

Analysis Batch: 650351

Client Sample ID: W-2

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	300		298		mg/L		0.3	20

Lab Sample ID: MB 400-651562/1

Matrix: Water

Analysis Batch: 651562

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			11/22/23 13:36	1

Lab Sample ID: LCS 400-651562/3

Matrix: Water

Analysis Batch: 651562

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	1060	969		mg/L		92	80 - 120

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246410-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 400-246410-6 DU					Client Sample ID: DUP-01				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 651562									
Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D		RPD	RPD Limit
Alkalinity, Total	3500		3470		mg/L			0.1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-649682/1					Client Sample ID: Method Blank				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 649682									
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			11/10/23 13:39	1

Lab Sample ID: LCS 400-649682/2					Client Sample ID: Lab Control Sample				
Matrix: Water					Prep Type: Total/NA				
Analysis Batch: 649682									
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids			293	292		mg/L		100	78 - 122

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-246410-1

Login Number: 246410

List Source: Eurofins Pensacola

List Number: 1

Creator: Roberts, Alexis J

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C IR11
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	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Eurofins Pensacola

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

Chain of Custody Record



Environment Testing

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:
San Juan River Plant RWIP

Site

Sampler **SRL + ERB**
Phone **515-253-0830**

Lab PM
Whitmire, Cheyenne R
E-Mail
Cheyenne.Whitmire@et.eurofinsus.com

400-246410 COC

COC No
400-124047-39042.2

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Page 2 of 2

Job #

Analysis Requested

Preservation Codes:

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

Other:

• Insufficient TB received
• Insufficient HCL VOAs
Received
Special Instructions/Note:

Sample Identification

Sample	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8260B - BTEX 8260	300_ORGFM_28D, 300_ORGFMS	6010B, 7470A	2320B - Alkalinity, Total (only)	2540C - TDS	6010D, 7470A	2540C - Local Method	8260D - (MOD) BTEX 8260	Other
W-2	11/8/2023	0955	G	Water	Y	N	X	X	X	X				
MW-4	11/8/2023	1025	G	Water	Y	N	X	X	X	X				
MW-6	11/8/2023	1158	G	Water	Y	Y	X	X	X	X				ms/msd
MW-16	11/8/2023	1345	G	Water	Y	N	X	X	X	X				No Metals
MW-17	11/8/2023	1440	G	Water	N	N	X	X	X	X				
Dup-01	11/8/2023		G	Water	Y	N	X	X	X	X				
TB-01	11/8/2023	0901	G	Water	M	N	X					X		
				Water										ERB
				Water										
				Water										
				Water										

Possible Hazard Identification

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

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 Months

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: <i>[Signature]</i>	Date/Time: 11/9/2023 1630	Company: STN	Received by: BP	Date/Time: 11/9/23 941	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks.

0.0°C IRN

Ver: 06/08/2021

Accreditation/Certification Summary

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

Job ID: 400-246410-1

Laboratory: Eurofins Pensacola

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

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/30/2023 9:26:57 PM

JOB DESCRIPTION

San Juan River Plant RWIP

JOB NUMBER

400-246471-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.
Released to Imaging: 6/28/2024 10:50:02 AM



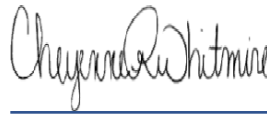
Eurofins Pensacola

Job Notes

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

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

Authorization



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11/30/2023 9:26:57 PM

Authorized for release by
Cheyenne Whitmire, Project Manager II
Cheyenne.Whitmire@et.eurofinsus.com
(850)471-6222

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

Laboratory Job ID: 400-246471-1

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Case Narrative

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

Job ID: 400-246471-1

Job ID: 400-246471-1**Laboratory: Eurofins Pensacola****Narrative****Job Narrative
400-246471-1****Receipt**

The samples were received on 11/10/2023 9:19 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, 0.0° C and 2.8° C.

GC/MS VOA

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-13 (400-246471-4), MW-15 (400-246471-6), MW-28 (400-246471-13) and DUP-02 (400-246471-15). Elevated reporting limits (RLs) are provided.

HPLC/IC

Method 300.0: The continuing calibration verification (CCV) for analytical batch 400-649925 recovered outside control limits for the following analytes: Sulfate. The LCS/LCSD recovered within control limits. (CCV 400-649925/3)

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649925 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-9 (400-246471-1), MW-11 (400-246471-2), MW-12 (400-246471-3), MW-13 (400-246471-4), MW-14 (400-246471-5), MW-15 (400-246471-6), MW-18 (400-246471-7), MW-19 (400-246471-8), MW-24 (400-246471-9), MW-25 (400-246471-10), MW-26 (400-246471-11), MW-27 (400-246471-12), MW-28 (400-246471-13), MW-30 (400-246471-14) and DUP-02 (400-246471-15). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649935 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-650124 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-650116 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649927 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: The following samples were diluted due to the abundance of non-target analytes: MW-9 (400-246471-1), MW-11 (400-246471-2), MW-12 (400-246471-3), MW-13 (400-246471-4), MW-14 (400-246471-5), MW-15 (400-246471-6), MW-18 (400-246471-7), MW-19 (400-246471-8), MW-24 (400-246471-9), MW-26 (400-246471-11), MW-27 (400-246471-12), MW-28 (400-246471-13), MW-30 (400-246471-14) and DUP-02 (400-246471-15). Elevated reporting limits (RLs) are provided.

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 400-649937 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 300.0: Reanalysis of the following samples were performed outside of the analytical holding time due to dilution needed: MW-9 (400-246471-1), MW-11 (400-246471-2), MW-12 (400-246471-3), MW-13 (400-246471-4), MW-14 (400-246471-5), MW-15 (400-246471-6), MW-18 (400-246471-7), MW-19 (400-246471-8), MW-19 (400-246471-8[MS]), MW-19 (400-246471-8[MSD]), MW-24 (400-246471-9), MW-26 (400-246471-11), MW-27 (400-246471-12), MW-28 (400-246471-13), MW-30 (400-246471-14) and DUP-02

Case Narrative

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

Job ID: 400-246471-1

Job ID: 400-246471-1 (Continued)

Laboratory: Eurofins Pensacola (Continued)

(400-246471-15).

Method 300.0: High concentrations of sulfate and chloride in the following samples mask any potential peak representing Nitrate and Nitrite respectively in the chromatography. Samples re-analyzed at dilution and outside of the method hold time in order to mitigate this interference. Both data sets reported. MW-9 (400-246471-1), MW-11 (400-246471-2), MW-12 (400-246471-3), MW-13 (400-246471-4), MW-14 (400-246471-5), MW-15 (400-246471-6), MW-18 (400-246471-7), MW-19 (400-246471-8), MW-19 (400-246471-8[MS]), MW-19 (400-246471-8[MSD]), MW-24 (400-246471-9), MW-25 (400-246471-10), MW-26 (400-246471-11), MW-27 (400-246471-12), MW-28 (400-246471-13), MW-30 (400-246471-14) and DUP-02 (400-246471-15)

Metals

Method 6010D: The closing continuing calibration verification (CCV) standard associated with batch 400-652066 failed to meet acceptance limits. The associated samples were re-analyzed following a successful CCV resulting in repeated failure of the closing CCV , indicating that the sample matrix is adversely affecting the instrument and causing the failures.

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

Detection Summary

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

Job ID: 400-246471-1

Client Sample ID: MW-9

Lab Sample ID: 400-246471-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0032		0.0010	0.00050	mg/L	1		8260D	Total/NA
Ethylbenzene	0.0048		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	390		20	5.0	mg/L	20		300.0	Total/NA
Sulfate - DL	12000		500	200	mg/L	500		300.0	Total/NA
Aluminum, Dissolved	9.5		0.20	0.10	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.87		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.26		0.010	0.0030	mg/L	1		6010D	Dissolved
Iron, Dissolved	11		0.20	0.075	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0029	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	8.3		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.38		0.0060	0.0030	mg/L	1		6010D	Dissolved
Zinc, Dissolved	1.1		0.020	0.0080	mg/L	1		6010D	Dissolved
Total Dissolved Solids	18000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-11

Lab Sample ID: 400-246471-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	260		20	5.0	mg/L	20		300.0	Total/NA
Sulfate - DL	4800		200	78	mg/L	200		300.0	Total/NA
Arsenic, Dissolved	0.0077	J	0.010	0.0060	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.011		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.49		0.20	0.11	mg/L	2		6010D	Dissolved
Iron, Dissolved	0.96		0.20	0.075	mg/L	1		6010D	Dissolved
Manganese, Dissolved	3.9		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.016		0.0060	0.0030	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.041		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	670		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	8400		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-12

Lab Sample ID: 400-246471-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	310		20	5.0	mg/L	20		300.0	Total/NA
Sulfate - DL	2600		200	78	mg/L	200		300.0	Total/NA
Arsenic, Dissolved	0.0076	J	0.010	0.0060	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.013		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.39		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.0058	J	0.010	0.0030	mg/L	1		6010D	Dissolved
Iron, Dissolved	2.7		0.20	0.075	mg/L	1		6010D	Dissolved
Manganese, Dissolved	5.3		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.0077		0.0060	0.0030	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.053		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	800		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	5900		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-13

Lab Sample ID: 400-246471-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.6		0.010	0.0050	mg/L	10		8260D	Total/NA
Chloride	510		50	13	mg/L	50		300.0	Total/NA
Sulfate - DL	4700		200	78	mg/L	200		300.0	Total/NA
Arsenic, Dissolved	0.042		0.010	0.0060	mg/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-246471-1

Client Sample ID: MW-13 (Continued)

Lab Sample ID: 400-246471-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	0.018		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.41		0.20	0.11	mg/L	2		6010D	Dissolved
Iron, Dissolved	2.1		0.20	0.075	mg/L	1		6010D	Dissolved
Manganese, Dissolved	2.2		0.010	0.0060	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.15		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	3100		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	12000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-14

Lab Sample ID: 400-246471-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	220		20	5.0	mg/L	20		300.0	Total/NA
Sulfate - DL	8300		500	200	mg/L	500		300.0	Total/NA
Alkalinity, Total	560		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	13000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-15

Lab Sample ID: 400-246471-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.24		0.0020	0.0010	mg/L	2		8260D	Total/NA
Xylenes, Total	0.040		0.020	0.0032	mg/L	2		8260D	Total/NA
Chloride	2100		100	25	mg/L	100		300.0	Total/NA
Sulfate - DL	11000		500	200	mg/L	500		300.0	Total/NA
Arsenic, Dissolved	0.016		0.010	0.0060	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.77		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.028		0.010	0.0030	mg/L	1		6010D	Dissolved
Iron, Dissolved	1.6		0.20	0.075	mg/L	1		6010D	Dissolved
Manganese, Dissolved	4.1		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.046		0.0060	0.0030	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.037		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	1500		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	21000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-18

Lab Sample ID: 400-246471-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	370		20	5.0	mg/L	20		300.0	Total/NA
Sulfate - DL	2400		1000	390	mg/L	1000		300.0	Total/NA
Aluminum, Dissolved	0.49		0.20	0.10	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.010		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	1.0		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.12		0.010	0.0030	mg/L	1		6010D	Dissolved
Iron, Dissolved	4.0		0.40	0.15	mg/L	2		6010D	Dissolved
Lead, Dissolved	0.0049	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	11		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.25		0.0060	0.0030	mg/L	1		6010D	Dissolved
Zinc, Dissolved	0.22		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	100		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	19000		50	50	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-246471-1

Client Sample ID: MW-19

Lab Sample ID: 400-246471-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	180	F1	10	2.5	mg/L	10		300.0	Total/NA
Nitrate as N	3.7	H F1	1.0	0.63	mg/L	10		300.0	Total/NA
Nitrate Nitrite as N	3.7	H F1	1.0	0.63	mg/L	10		300.0	Total/NA
Sulfate - DL	9000	F1	500	200	mg/L	500		300.0	Total/NA
Boron, Dissolved	0.86		0.20	0.11	mg/L	2		6010D	Dissolved
Cadmium, Dissolved	0.0082		0.0050	0.0020	mg/L	1		6010D	Dissolved
Cobalt, Dissolved	0.061		0.010	0.0030	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0021	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	9.5		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.18		0.0060	0.0030	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.016	J	0.020	0.0080	mg/L	1		6010D	Dissolved
Zinc, Dissolved	0.11		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	180		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	14000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-24

Lab Sample ID: 400-246471-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00058	J	0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	270		20	5.0	mg/L	20		300.0	Total/NA
Sulfate - DL	12000		500	200	mg/L	500		300.0	Total/NA
Barium, Dissolved	0.012		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	1.0		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.025		0.010	0.0030	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0035	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	8.4		0.010	0.0060	mg/L	1		6010D	Dissolved
Molybdenum, Dissolved	0.013	J	0.20	0.0080	mg/L	2		6010D	Dissolved
Nickel, Dissolved	0.043		0.0060	0.0030	mg/L	1		6010D	Dissolved
Zinc, Dissolved	0.014	J	0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	720		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	17000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-25

Lab Sample ID: 400-246471-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	520		20	5.0	mg/L	20		300.0	Total/NA
Sulfate - DL	9000		500	200	mg/L	500		300.0	Total/NA
Arsenic, Dissolved	0.0072	J	0.010	0.0060	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.013		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.72		0.20	0.11	mg/L	2		6010D	Dissolved
Manganese, Dissolved	0.34		0.010	0.0060	mg/L	1		6010D	Dissolved
Molybdenum, Dissolved	0.049	J	0.20	0.0080	mg/L	2		6010D	Dissolved
Selenium, Dissolved	0.0084	J	0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	890		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	9800		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-26

Lab Sample ID: 400-246471-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0036		0.0010	0.00050	mg/L	1		8260D	Total/NA
Chloride	540		20	5.0	mg/L	20		300.0	Total/NA
Sulfate - DL	10000		500	200	mg/L	500		300.0	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-246471-1

Client Sample ID: MW-26 (Continued)

Lab Sample ID: 400-246471-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	0.012		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.96		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.032		0.010	0.0030	mg/L	1		6010D	Dissolved
Iron, Dissolved	1.6	^	0.40	0.15	mg/L	2		6010D	Dissolved
Lead, Dissolved	0.0021	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	4.5		0.010	0.0060	mg/L	1		6010D	Dissolved
Nickel, Dissolved	0.039		0.0060	0.0030	mg/L	1		6010D	Dissolved
Zinc, Dissolved	0.016	J	0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	620		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	16000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-27

Lab Sample ID: 400-246471-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	700		50	13	mg/L	50		300.0	Total/NA
Sulfate - DL	13000		500	200	mg/L	500		300.0	Total/NA
Barium, Dissolved	0.013		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.93		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.015		0.010	0.0030	mg/L	1		6010D	Dissolved
Iron, Dissolved	0.66	^	0.40	0.15	mg/L	2		6010D	Dissolved
Manganese, Dissolved	4.3		0.010	0.0060	mg/L	1		6010D	Dissolved
Molybdenum, Dissolved	0.010	J	0.20	0.0080	mg/L	2		6010D	Dissolved
Nickel, Dissolved	0.030		0.0060	0.0030	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.013	J	0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	940		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	19000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-28

Lab Sample ID: 400-246471-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.8		0.010	0.0050	mg/L	10		8260D	Total/NA
Ethylbenzene	0.21		0.010	0.0050	mg/L	10		8260D	Total/NA
Toluene	0.034		0.010	0.0090	mg/L	10		8260D	Total/NA
Xylenes, Total	1.8		0.10	0.016	mg/L	10		8260D	Total/NA
Chloride	560		50	13	mg/L	50		300.0	Total/NA
Sulfate - DL	3100		100	39	mg/L	100		300.0	Total/NA
Arsenic, Dissolved	0.027		0.010	0.0060	mg/L	1		6010D	Dissolved
Barium, Dissolved	0.018		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.97		0.20	0.11	mg/L	2		6010D	Dissolved
Selenium, Dissolved	0.18		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	1700		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	7500		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-30

Lab Sample ID: 400-246471-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1100		100	25	mg/L	100		300.0	Total/NA
Nitrate as N	83	H	10	6.3	mg/L	100		300.0	Total/NA
Nitrate Nitrite as N	83	H	10	6.3	mg/L	100		300.0	Total/NA
Sulfate - DL	5300		200	78	mg/L	200		300.0	Total/NA
Aluminum, Dissolved	1.8		0.20	0.10	mg/L	1		6010D	Dissolved
Arsenic, Dissolved	0.0067	J	0.010	0.0060	mg/L	1		6010D	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-246471-1

Client Sample ID: MW-30 (Continued)

Lab Sample ID: 400-246471-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium, Dissolved	0.032		0.010	0.010	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.39		0.20	0.11	mg/L	2		6010D	Dissolved
Lead, Dissolved	0.0036	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	0.49	^	0.020	0.012	mg/L	2		6010D	Dissolved
Molybdenum, Dissolved	0.025	J	0.20	0.0080	mg/L	2		6010D	Dissolved
Selenium, Dissolved	0.57		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	160		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	12000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: DUP-02

Lab Sample ID: 400-246471-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.55		0.0050	0.0025	mg/L	5		8260D	Total/NA
Xylenes, Total	0.065		0.050	0.0080	mg/L	5		8260D	Total/NA
Chloride	2100		100	25	mg/L	100		300.0	Total/NA
Sulfate - DL	11000		500	200	mg/L	500		300.0	Total/NA
Arsenic, Dissolved	0.0092	J	0.010	0.0060	mg/L	1		6010D	Dissolved
Boron, Dissolved	0.80		0.20	0.11	mg/L	2		6010D	Dissolved
Cobalt, Dissolved	0.029		0.010	0.0030	mg/L	1		6010D	Dissolved
Lead, Dissolved	0.0029	J	0.010	0.0020	mg/L	1		6010D	Dissolved
Manganese, Dissolved	4.5	^	0.020	0.012	mg/L	2		6010D	Dissolved
Nickel, Dissolved	0.046		0.0060	0.0030	mg/L	1		6010D	Dissolved
Selenium, Dissolved	0.027		0.020	0.0080	mg/L	1		6010D	Dissolved
Alkalinity, Total	1500		1.0	0.50	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	21000		50	50	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TB-01

Lab Sample ID: 400-246471-16

No Detections.

Method Summary

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

Job ID: 400-246471-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
300.0	Anions, Ion Chromatography	EPA	EET PEN
6010D	Metals (ICP)	SW846	EET PEN
7470A	Mercury (CVAA)	SW846	EET PEN
SM 2320B	Alkalinity	SM	EET PEN
SM 2540C	Solids, Total Dissolved (TDS)	SM	EET PEN
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET PEN
5030C	Purge and Trap	SW846	EET PEN
7470A	Preparation, Mercury	SW846	EET PEN

Protocol References:

- EPA = US Environmental Protection Agency
- 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:

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

Sample Summary

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

Job ID: 400-246471-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-246471-1	MW-9	Water	11/09/23 09:35	11/10/23 09:19
400-246471-2	MW-11	Water	11/09/23 13:01	11/10/23 09:19
400-246471-3	MW-12	Water	11/09/23 12:48	11/10/23 09:19
400-246471-4	MW-13	Water	11/09/23 11:56	11/10/23 09:19
400-246471-5	MW-14	Water	11/09/23 11:20	11/10/23 09:19
400-246471-6	MW-15	Water	11/09/23 10:08	11/10/23 09:19
400-246471-7	MW-18	Water	11/09/23 09:20	11/10/23 09:19
400-246471-8	MW-19	Water	11/09/23 10:42	11/10/23 09:19
400-246471-9	MW-24	Water	11/09/23 09:10	11/10/23 09:19
400-246471-10	MW-25	Water	11/09/23 13:19	11/10/23 09:19
400-246471-11	MW-26	Water	11/09/23 07:52	11/10/23 09:19
400-246471-12	MW-27	Water	11/09/23 08:18	11/10/23 09:19
400-246471-13	MW-28	Water	11/09/23 08:40	11/10/23 09:19
400-246471-14	MW-30	Water	11/09/23 13:48	11/10/23 09:19
400-246471-15	DUP-02	Water	11/09/23 12:00	11/10/23 09:19
400-246471-16	TB-01	Water	11/09/23 07:01	11/10/23 09:19

Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-9

Lab Sample ID: 400-246471-1

Date Collected: 11/09/23 09:35

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0032		0.0010	0.00050	mg/L			11/15/23 18:05	1
Ethylbenzene	0.0048		0.0010	0.00050	mg/L			11/15/23 18:05	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 18:05	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 130					11/15/23 18:05	1
Dibromofluoromethane	95		75 - 126					11/15/23 18:05	1
Toluene-d8 (Surr)	108		64 - 132					11/15/23 18:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		20	5.0	mg/L			11/13/23 13:13	20
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 17:39	1
Nitrate as N	1.3	U H	2.0	1.3	mg/L			11/13/23 13:13	20
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 17:39	1
Nitrate Nitrite as N	1.3	U H	2.0	1.3	mg/L			11/13/23 13:13	20
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 17:39	1
Nitrite as N	1.7	U H *	2.0	1.7	mg/L			11/13/23 13:13	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	12000		500	200	mg/L			11/14/23 19:08	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	9.5		0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:01	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:01	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:01	1
Boron, Dissolved	0.87		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 00:56	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:01	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:01	1
Cobalt, Dissolved	0.26		0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:01	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:01	1
Iron, Dissolved	11		0.20	0.075	mg/L		11/16/23 11:02	11/16/23 17:01	1
Lead, Dissolved	0.0029	J	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:01	1
Manganese, Dissolved	8.3		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:01	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 00:56	2
Nickel, Dissolved	0.38		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:01	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:01	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:01	1
Zinc, Dissolved	1.1		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:01	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	0.50	U	1.0	0.50	mg/L			11/15/23 11:16	1
Total Dissolved Solids (SM 2540C)	18000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-11

Lab Sample ID: 400-246471-2

Date Collected: 11/09/23 13:01

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 18:30	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 18:30	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 18:30	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 18:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		72 - 130					11/15/23 18:30	1
Dibromofluoromethane	96		75 - 126					11/15/23 18:30	1
Toluene-d8 (Surr)	104		64 - 132					11/15/23 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		20	5.0	mg/L			11/13/23 13:20	20
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 17:47	1
Nitrate as N	1.3	U H	2.0	1.3	mg/L			11/13/23 13:20	20
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 17:47	1
Nitrate Nitrite as N	1.3	U H	2.0	1.3	mg/L			11/13/23 13:20	20
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 17:47	1
Nitrite as N	1.7	U H *	2.0	1.7	mg/L			11/13/23 13:20	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	4800		200	78	mg/L			11/14/23 13:35	200

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:05	1
Arsenic, Dissolved	0.0077	J	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:05	1
Barium, Dissolved	0.011		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:05	1
Boron, Dissolved	0.49		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 01:01	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:05	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:05	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:05	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:05	1
Iron, Dissolved	0.96		0.20	0.075	mg/L		11/16/23 11:02	11/16/23 17:05	1
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:05	1
Manganese, Dissolved	3.9		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:05	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 01:01	2
Nickel, Dissolved	0.016		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:05	1
Selenium, Dissolved	0.041		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:05	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:05	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:05	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	670		1.0	0.50	mg/L			11/15/23 11:28	1
Total Dissolved Solids (SM 2540C)	8400		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-12

Lab Sample ID: 400-246471-3

Date Collected: 11/09/23 12:48

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 18:55	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 18:55	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 18:55	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 18:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	110		72 - 130					11/15/23 18:55	1
Dibromofluoromethane	95		75 - 126					11/15/23 18:55	1
Toluene-d8 (Surr)	107		64 - 132					11/15/23 18:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		20	5.0	mg/L			11/13/23 13:28	20
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 17:54	1
Nitrate as N	1.3	U H	2.0	1.3	mg/L			11/13/23 13:28	20
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 17:54	1
Nitrate Nitrite as N	1.3	U H	2.0	1.3	mg/L			11/13/23 13:28	20
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 17:54	1
Nitrite as N	1.7	U H *	2.0	1.7	mg/L			11/13/23 13:28	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2600		200	78	mg/L			11/13/23 13:50	200

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:09	1
Arsenic, Dissolved	0.0076	J	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:09	1
Barium, Dissolved	0.013		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:09	1
Boron, Dissolved	0.39		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 01:18	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:09	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:09	1
Cobalt, Dissolved	0.0058	J	0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:09	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:09	1
Iron, Dissolved	2.7		0.20	0.075	mg/L		11/16/23 11:02	11/16/23 17:09	1
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:09	1
Manganese, Dissolved	5.3		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:09	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 01:18	2
Nickel, Dissolved	0.0077		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:09	1
Selenium, Dissolved	0.053		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:09	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:09	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:09	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	800		1.0	0.50	mg/L			11/15/23 11:41	1
Total Dissolved Solids (SM 2540C)	5900		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-13

Lab Sample ID: 400-246471-4

Date Collected: 11/09/23 11:56

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.6		0.010	0.0050	mg/L			11/15/23 23:06	10
Ethylbenzene	0.0050	U	0.010	0.0050	mg/L			11/15/23 23:06	10
Toluene	0.0090	U	0.010	0.0090	mg/L			11/15/23 23:06	10
Xylenes, Total	0.016	U	0.10	0.016	mg/L			11/15/23 23:06	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		72 - 130					11/15/23 23:06	10
Dibromofluoromethane	93		75 - 126					11/15/23 23:06	10
Toluene-d8 (Surr)	109		64 - 132					11/15/23 23:06	10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		50	13	mg/L			11/13/23 13:58	50
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 18:02	1
Nitrate as N	3.2	U H	5.0	3.2	mg/L			11/13/23 13:58	50
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 18:02	1
Nitrate Nitrite as N	3.2	U H	5.0	3.2	mg/L			11/13/23 13:58	50
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 18:02	1
Nitrite as N	4.2	U H *	5.0	4.2	mg/L			11/13/23 13:58	50

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	4700		200	78	mg/L			11/13/23 14:05	200

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:13	1
Arsenic, Dissolved	0.042		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:13	1
Barium, Dissolved	0.018		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:13	1
Boron, Dissolved	0.41		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 01:23	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:13	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:13	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:13	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:13	1
Iron, Dissolved	2.1		0.20	0.075	mg/L		11/16/23 11:02	11/16/23 17:13	1
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:13	1
Manganese, Dissolved	2.2		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:13	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 01:23	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:13	1
Selenium, Dissolved	0.15		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:13	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:13	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:13	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	3100		1.0	0.50	mg/L			11/22/23 17:26	1
Total Dissolved Solids (SM 2540C)	12000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-14

Lab Sample ID: 400-246471-5

Date Collected: 11/09/23 11:20

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 19:20	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 19:20	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 19:20	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 19:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		72 - 130		11/15/23 19:20	1
Dibromofluoromethane	98		75 - 126		11/15/23 19:20	1
Toluene-d8 (Surr)	108		64 - 132		11/15/23 19:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		20	5.0	mg/L			11/13/23 14:13	20
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 18:09	1
Nitrate as N	1.3	U H	2.0	1.3	mg/L			11/13/23 14:13	20
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 18:09	1
Nitrate Nitrite as N	1.3	U H	2.0	1.3	mg/L			11/13/23 14:13	20
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 18:09	1
Nitrite as N	1.7	U H *	2.0	1.7	mg/L			11/13/23 14:13	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	8300		500	200	mg/L			11/14/23 19:16	500

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	560		1.0	0.50	mg/L			11/15/23 12:44	1
Total Dissolved Solids (SM 2540C)	13000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-15

Lab Sample ID: 400-246471-6

Date Collected: 11/09/23 10:08

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.24		0.0020	0.0010	mg/L			11/15/23 22:16	2
Ethylbenzene	0.0010	U	0.0020	0.0010	mg/L			11/15/23 22:16	2
Toluene	0.0018	U	0.0020	0.0018	mg/L			11/15/23 22:16	2
Xylenes, Total	0.040		0.020	0.0032	mg/L			11/15/23 22:16	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	99		72 - 130					11/15/23 22:16	2
Dibromofluoromethane	93		75 - 126					11/15/23 22:16	2
Toluene-d8 (Surr)	107		64 - 132					11/15/23 22:16	2

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		100	25	mg/L			11/13/23 14:20	100
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 18:17	1
Nitrate as N	6.3	U H	10	6.3	mg/L			11/13/23 14:20	100
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 18:17	1
Nitrate Nitrite as N	6.3	U H	10	6.3	mg/L			11/13/23 14:20	100
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 18:17	1
Nitrite as N	8.3	U H *	10	8.3	mg/L			11/13/23 14:20	100

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	11000		500	200	mg/L			11/14/23 19:38	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:17	1
Arsenic, Dissolved	0.016		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:17	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:17	1
Boron, Dissolved	0.77		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 01:28	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:17	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:17	1
Cobalt, Dissolved	0.028		0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:17	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:17	1
Iron, Dissolved	1.6		0.20	0.075	mg/L		11/16/23 11:02	11/16/23 17:17	1
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:17	1
Manganese, Dissolved	4.1		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:17	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 01:28	2
Nickel, Dissolved	0.046		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:17	1
Selenium, Dissolved	0.037		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:17	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:17	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:17	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	1500		1.0	0.50	mg/L			11/22/23 14:17	1
Total Dissolved Solids (SM 2540C)	21000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-18

Lab Sample ID: 400-246471-7

Date Collected: 11/09/23 09:20

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 19:45	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 19:45	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 19:45	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 19:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		72 - 130					11/15/23 19:45	1
Dibromofluoromethane	95		75 - 126					11/15/23 19:45	1
Toluene-d8 (Surr)	106		64 - 132					11/15/23 19:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		20	5.0	mg/L			11/13/23 14:28	20
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 18:24	1
Nitrate as N	1.3	U H	2.0	1.3	mg/L			11/13/23 14:28	20
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 18:24	1
Nitrate Nitrite as N	1.3	U H	2.0	1.3	mg/L			11/13/23 14:28	20
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 18:24	1
Nitrite as N	1.7	U H *	2.0	1.7	mg/L			11/13/23 14:28	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	2400		1000	390	mg/L			11/20/23 19:39	1000

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.49		0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:29	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:29	1
Barium, Dissolved	0.010		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:29	1
Boron, Dissolved	1.0		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 01:34	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:29	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:29	1
Cobalt, Dissolved	0.12		0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:29	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:29	1
Iron, Dissolved	4.0	^	0.40	0.15	mg/L		11/16/23 11:02	11/28/23 10:52	2
Lead, Dissolved	0.0049	J	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:29	1
Manganese, Dissolved	11		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:29	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 01:34	2
Nickel, Dissolved	0.25		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:29	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:29	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:29	1
Zinc, Dissolved	0.22		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:29	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	100		1.0	0.50	mg/L			11/15/23 13:04	1
Total Dissolved Solids (SM 2540C)	19000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-19

Lab Sample ID: 400-246471-8

Date Collected: 11/09/23 10:42

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 15:09	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 15:09	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 15:09	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 130					11/15/23 15:09	1
Dibromofluoromethane	92		75 - 126					11/15/23 15:09	1
Toluene-d8 (Surr)	108		64 - 132					11/15/23 15:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180	F1	10	2.5	mg/L			11/13/23 14:35	10
Nitrate as N	0.063	U F1	0.10	0.063	mg/L			11/10/23 18:47	1
Nitrate as N	3.7	H F1	1.0	0.63	mg/L			11/13/23 14:35	10
Nitrate Nitrite as N	0.063	U F1	0.10	0.063	mg/L			11/10/23 18:47	1
Nitrate Nitrite as N	3.7	H F1	1.0	0.63	mg/L			11/13/23 14:35	10
Nitrite as N	0.083	U F1	0.10	0.083	mg/L			11/10/23 18:47	1
Nitrite as N	0.83	U H F1 *	1.0	0.83	mg/L			11/13/23 14:35	10

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	9000	F1	500	200	mg/L			11/14/23 15:31	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:33	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:33	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:33	1
Boron, Dissolved	0.86		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 01:39	2
Cadmium, Dissolved	0.0082		0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:33	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:33	1
Cobalt, Dissolved	0.061		0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:33	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:33	1
Iron, Dissolved	0.15	U ^-	0.40	0.15	mg/L		11/16/23 11:02	11/28/23 10:56	2
Lead, Dissolved	0.0021	J	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:33	1
Manganese, Dissolved	9.5		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:33	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 01:39	2
Nickel, Dissolved	0.18		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:33	1
Selenium, Dissolved	0.016	J	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:33	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:33	1
Zinc, Dissolved	0.11		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:33	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:57	11/15/23 08:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	180		1.0	0.50	mg/L			11/15/23 13:10	1
Total Dissolved Solids (SM 2540C)	14000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-24

Lab Sample ID: 400-246471-9

Date Collected: 11/09/23 09:10

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00058	J	0.0010	0.00050	mg/L			11/15/23 20:11	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 20:11	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 20:11	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 130					11/15/23 20:11	1
Dibromofluoromethane	96		75 - 126					11/15/23 20:11	1
Toluene-d8 (Surr)	107		64 - 132					11/15/23 20:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		20	5.0	mg/L			11/13/23 14:58	20
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:10	1
Nitrate as N	1.3	U H	2.0	1.3	mg/L			11/13/23 14:58	20
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:10	1
Nitrate Nitrite as N	1.3	U H	2.0	1.3	mg/L			11/13/23 14:58	20
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 19:10	1
Nitrite as N	1.7	U H *	2.0	1.7	mg/L			11/13/23 14:58	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	12000		500	200	mg/L			11/14/23 19:53	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:53	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:53	1
Barium, Dissolved	0.012		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:53	1
Boron, Dissolved	1.0		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 01:55	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:53	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:53	1
Cobalt, Dissolved	0.025		0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:53	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:53	1
Iron, Dissolved	0.15	U ^-	0.40	0.15	mg/L		11/16/23 11:02	11/28/23 11:08	2
Lead, Dissolved	0.0035	J	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:53	1
Manganese, Dissolved	8.4		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:53	1
Molybdenum, Dissolved	0.013	J	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 01:55	2
Nickel, Dissolved	0.043		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:53	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:53	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:53	1
Zinc, Dissolved	0.014	J	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:53	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	720		1.0	0.50	mg/L			11/15/23 13:22	1
Total Dissolved Solids (SM 2540C)	17000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-25

Lab Sample ID: 400-246471-10

Date Collected: 11/09/23 13:19

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 20:36	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 20:36	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 20:36	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 20:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	101		72 - 130					11/15/23 20:36	1
Dibromofluoromethane	97		75 - 126					11/15/23 20:36	1
Toluene-d8 (Surr)	106		64 - 132					11/15/23 20:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		20	5.0	mg/L			11/14/23 16:16	20
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:17	1
Nitrate as N	1.3	U H	2.0	1.3	mg/L			11/13/23 15:21	20
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:17	1
Nitrate Nitrite as N	1.3	U H	2.0	1.3	mg/L			11/13/23 15:21	20
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 19:17	1
Nitrite as N	1.7	U H	2.0	1.7	mg/L			11/13/23 15:21	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	9000		500	200	mg/L			11/20/23 19:46	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 17:57	1
Arsenic, Dissolved	0.0072	J	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:57	1
Barium, Dissolved	0.013		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 17:57	1
Boron, Dissolved	0.72		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 02:00	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 17:57	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 17:57	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 17:57	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 17:57	1
Iron, Dissolved	0.15	U ^-	0.40	0.15	mg/L		11/16/23 11:02	11/28/23 11:12	2
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 17:57	1
Manganese, Dissolved	0.34		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 17:57	1
Molybdenum, Dissolved	0.049	J	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 02:00	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 17:57	1
Selenium, Dissolved	0.0084	J	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:57	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 17:57	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 17:57	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	890		1.0	0.50	mg/L			11/15/23 16:24	1
Total Dissolved Solids (SM 2540C)	9800		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-26

Lab Sample ID: 400-246471-11

Date Collected: 11/09/23 07:52

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0036		0.0010	0.00050	mg/L			11/15/23 21:01	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 21:01	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 21:01	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	102		72 - 130					11/15/23 21:01	1
Dibromofluoromethane	96		75 - 126					11/15/23 21:01	1
Toluene-d8 (Surr)	107		64 - 132					11/15/23 21:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		20	5.0	mg/L			11/13/23 15:29	20
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:25	1
Nitrate as N	1.3	U H	2.0	1.3	mg/L			11/13/23 15:29	20
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:25	1
Nitrate Nitrite as N	1.3	U H	2.0	1.3	mg/L			11/13/23 15:29	20
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 19:25	1
Nitrite as N	1.7	U H *	2.0	1.7	mg/L			11/13/23 15:29	20

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	10000		500	200	mg/L			11/14/23 20:38	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 18:01	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 18:01	1
Barium, Dissolved	0.012		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 18:01	1
Boron, Dissolved	0.96		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 02:06	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 18:01	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 18:01	1
Cobalt, Dissolved	0.032		0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 18:01	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 18:01	1
Iron, Dissolved	1.6 ^-		0.40	0.15	mg/L		11/16/23 11:02	11/28/23 11:16	2
Lead, Dissolved	0.0021 J		0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 18:01	1
Manganese, Dissolved	4.5		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 18:01	1
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 02:06	2
Nickel, Dissolved	0.039		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 18:01	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:01	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 18:01	1
Zinc, Dissolved	0.016 J		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:01	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:57	11/15/23 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	620		1.0	0.50	mg/L			11/20/23 15:14	1
Total Dissolved Solids (SM 2540C)	16000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-27

Lab Sample ID: 400-246471-12

Date Collected: 11/09/23 08:18

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 21:26	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 21:26	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 21:26	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 130					11/15/23 21:26	1
Dibromofluoromethane	98		75 - 126					11/15/23 21:26	1
Toluene-d8 (Surr)	108		64 - 132					11/15/23 21:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	700		50	13	mg/L			11/13/23 15:36	50
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:32	1
Nitrate as N	3.2	U H	5.0	3.2	mg/L			11/13/23 15:36	50
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:32	1
Nitrate Nitrite as N	3.2	U H	5.0	3.2	mg/L			11/13/23 15:36	50
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 19:32	1
Nitrite as N	4.2	U H *	5.0	4.2	mg/L			11/13/23 15:36	50

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	13000		500	200	mg/L			11/14/23 20:46	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 18:05	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 18:05	1
Barium, Dissolved	0.013		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 18:05	1
Boron, Dissolved	0.93		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 02:21	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 18:05	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 18:05	1
Cobalt, Dissolved	0.015		0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 18:05	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 18:05	1
Iron, Dissolved	0.66	^-	0.40	0.15	mg/L		11/16/23 11:02	11/28/23 11:20	2
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 18:05	1
Manganese, Dissolved	4.3		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 18:05	1
Molybdenum, Dissolved	0.010	J	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 02:21	2
Nickel, Dissolved	0.030		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 18:05	1
Selenium, Dissolved	0.013	J	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:05	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 18:05	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:05	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:57	11/15/23 09:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	940		1.0	0.50	mg/L			11/20/23 15:27	1
Total Dissolved Solids (SM 2540C)	19000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-28

Lab Sample ID: 400-246471-13

Date Collected: 11/09/23 08:40

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1.8		0.010	0.0050	mg/L			11/15/23 23:31	10
Ethylbenzene	0.21		0.010	0.0050	mg/L			11/15/23 23:31	10
Toluene	0.034		0.010	0.0090	mg/L			11/15/23 23:31	10
Xylenes, Total	1.8		0.10	0.016	mg/L			11/15/23 23:31	10

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 130					11/15/23 23:31	10
Dibromofluoromethane	93		75 - 126					11/15/23 23:31	10
Toluene-d8 (Surr)	110		64 - 132					11/15/23 23:31	10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	560		50	13	mg/L			11/13/23 16:21	50
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:40	1
Nitrate as N	3.2	U H	5.0	3.2	mg/L			11/13/23 16:21	50
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:40	1
Nitrate Nitrite as N	3.2	U H	5.0	3.2	mg/L			11/13/23 16:21	50
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 19:40	1
Nitrite as N	4.2	U H	5.0	4.2	mg/L			11/13/23 16:21	50

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3100		100	39	mg/L			11/14/23 17:08	100

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 18:17	1
Arsenic, Dissolved	0.027		0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 18:17	1
Barium, Dissolved	0.018		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 18:17	1
Boron, Dissolved	0.97		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 02:27	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 18:17	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 18:17	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 18:17	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 18:17	1
Iron, Dissolved	0.15	U ^-	0.40	0.15	mg/L		11/16/23 11:02	11/28/23 11:24	2
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 18:17	1
Manganese, Dissolved	0.012	U ^-	0.020	0.012	mg/L		11/16/23 11:02	11/28/23 11:24	2
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 02:27	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 18:17	1
Selenium, Dissolved	0.18		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:17	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 18:17	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:17	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:57	11/15/23 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	1700		1.0	0.50	mg/L			11/22/23 14:23	1
Total Dissolved Solids (SM 2540C)	7500		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: MW-30

Lab Sample ID: 400-246471-14

Date Collected: 11/09/23 13:48

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 21:51	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 21:51	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 21:51	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	104		72 - 130					11/15/23 21:51	1
Dibromofluoromethane	99		75 - 126					11/15/23 21:51	1
Toluene-d8 (Surr)	108		64 - 132					11/15/23 21:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		100	25	mg/L			11/13/23 16:29	100
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:47	1
Nitrate as N	83	H	10	6.3	mg/L			11/13/23 16:29	100
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:47	1
Nitrate Nitrite as N	83	H	10	6.3	mg/L			11/13/23 16:29	100
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 19:47	1
Nitrite as N	8.3	U H	10	8.3	mg/L			11/13/23 16:29	100

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	5300		200	78	mg/L			11/14/23 17:16	200

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	1.8		0.20	0.10	mg/L		11/16/23 11:02	11/16/23 18:21	1
Arsenic, Dissolved	0.0067	J	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 18:21	1
Barium, Dissolved	0.032		0.010	0.010	mg/L		11/16/23 11:02	11/16/23 18:21	1
Boron, Dissolved	0.39		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 02:32	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 18:21	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 18:21	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 18:21	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 18:21	1
Iron, Dissolved	0.15	U ^-	0.40	0.15	mg/L		11/16/23 11:02	11/28/23 11:28	2
Lead, Dissolved	0.0036	J	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 18:21	1
Manganese, Dissolved	0.49	^-	0.020	0.012	mg/L		11/16/23 11:02	11/28/23 11:28	2
Molybdenum, Dissolved	0.025	J	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 02:32	2
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 18:21	1
Selenium, Dissolved	0.57		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:21	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 18:21	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:21	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:57	11/15/23 09:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	160		1.0	0.50	mg/L			11/20/23 15:46	1
Total Dissolved Solids (SM 2540C)	12000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: DUP-02

Lab Sample ID: 400-246471-15

Date Collected: 11/09/23 12:00

Matrix: Water

Date Received: 11/10/23 09:19

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.55		0.0050	0.0025	mg/L			11/15/23 22:41	5
Ethylbenzene	0.0025	U	0.0050	0.0025	mg/L			11/15/23 22:41	5
Toluene	0.0045	U	0.0050	0.0045	mg/L			11/15/23 22:41	5
Xylenes, Total	0.065		0.050	0.0080	mg/L			11/15/23 22:41	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		72 - 130					11/15/23 22:41	5
Dibromofluoromethane	93		75 - 126					11/15/23 22:41	5
Toluene-d8 (Surr)	108		64 - 132					11/15/23 22:41	5

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		100	25	mg/L			11/13/23 16:36	100
Nitrate as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:55	1
Nitrate as N	6.3	U H	10	6.3	mg/L			11/13/23 16:36	100
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 19:55	1
Nitrate Nitrite as N	6.3	U H	10	6.3	mg/L			11/13/23 16:36	100
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 19:55	1
Nitrite as N	8.3	U H	10	8.3	mg/L			11/13/23 16:36	100

Method: EPA 300.0 - Anions, Ion Chromatography - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	11000		500	200	mg/L			11/14/23 20:53	500

Method: SW846 6010D - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 18:25	1
Arsenic, Dissolved	0.0092	J	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 18:25	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/16/23 11:02	11/16/23 18:25	1
Boron, Dissolved	0.80		0.20	0.11	mg/L		11/16/23 11:02	11/23/23 02:38	2
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 18:25	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 18:25	1
Cobalt, Dissolved	0.029		0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 18:25	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 18:25	1
Iron, Dissolved	0.15	U ^-	0.40	0.15	mg/L		11/16/23 11:02	11/28/23 11:39	2
Lead, Dissolved	0.0029	J	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 18:25	1
Manganese, Dissolved	4.5	^-	0.020	0.012	mg/L		11/16/23 11:02	11/28/23 11:39	2
Molybdenum, Dissolved	0.0080	U	0.20	0.0080	mg/L		11/16/23 11:02	11/23/23 02:38	2
Nickel, Dissolved	0.046		0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 18:25	1
Selenium, Dissolved	0.027		0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:25	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 18:25	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 18:25	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:57	11/15/23 09:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (SM 2320B)	1500		1.0	0.50	mg/L			11/22/23 14:28	1
Total Dissolved Solids (SM 2540C)	21000		50	50	mg/L			11/16/23 07:46	1

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Client Sample Results

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

Job ID: 400-246471-1

Client Sample ID: TB-01
Date Collected: 11/09/23 07:01
Date Received: 11/10/23 09:19

Lab Sample ID: 400-246471-16
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 16:50	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 16:50	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 16:50	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 16:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	107		72 - 130					11/15/23 16:50	1
Dibromofluoromethane	94		75 - 126					11/15/23 16:50	1
Toluene-d8 (Surr)	108		64 - 132					11/15/23 16:50	1

Definitions/Glossary

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

Job ID: 400-246471-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
*_	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time. This does not meet regulatory requirements.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^_	Continuing Calibration Verification (CCV) is outside acceptance limits, low 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.
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
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

Definitions/Glossary

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

Job ID: 400-246471-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

Surrogate Summary

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

Job ID: 400-246471-1

Method: 8260D - Volatile Organic Compounds by GC/MS**Matrix: Water****Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
Lab Sample ID	Client Sample ID	BFB (72-130)	DBFM (75-126)	TOL (64-132)
400-246471-1	MW-9	106	95	108
400-246471-2	MW-11	106	96	104
400-246471-3	MW-12	110	95	107
400-246471-4	MW-13	105	93	109
400-246471-5	MW-14	105	98	108
400-246471-6	MW-15	99	93	107
400-246471-7	MW-18	105	95	106
400-246471-8	MW-19	107	92	108
400-246471-8 MS	MW-19	105	89	104
400-246471-8 MSD	MW-19	107	89	106
400-246471-9	MW-24	102	96	107
400-246471-10	MW-25	101	97	106
400-246471-11	MW-26	102	96	107
400-246471-12	MW-27	103	98	108
400-246471-13	MW-28	103	93	110
400-246471-14	MW-30	104	99	108
400-246471-15	DUP-02	103	93	108
400-246471-16	TB-01	107	94	108
LCS 400-650302/1001	Lab Control Sample	107	97	105
MB 400-650302/3	Method Blank	108	92	108

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: MW-9

Lab Sample ID: 400-246471-1

Date Collected: 11/09/23 09:35

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 18:05	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 17:39	JN	EET PEN
Total/NA	Analysis	300.0		20			649925	11/13/23 13:13	JN	EET PEN
Total/NA	Analysis	300.0		20			649927	11/13/23 13:13	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650124	11/14/23 19:08	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 00:56	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:01	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:35	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 11:16	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-11

Lab Sample ID: 400-246471-2

Date Collected: 11/09/23 13:01

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 18:30	BPO	EET PEN
Total/NA	Analysis	300.0		1			649711	11/10/23 17:47	JN	EET PEN
Total/NA	Analysis	300.0		20			649925	11/13/23 13:20	JN	EET PEN
Total/NA	Analysis	300.0		20			649927	11/13/23 13:20	JN	EET PEN
Total/NA	Analysis	300.0	DL	200			650116	11/14/23 13:35	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:01	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:05	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:36	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 11:28	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

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Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: MW-12

Lab Sample ID: 400-246471-3

Date Collected: 11/09/23 12:48

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 18:55	BPO	EET PEN
Total/NA	Analysis	300.0		1			649711	11/10/23 17:54	JN	EET PEN
Total/NA	Analysis	300.0		20			649925	11/13/23 13:28	JN	EET PEN
Total/NA	Analysis	300.0		20			649927	11/13/23 13:28	JN	EET PEN
Total/NA	Analysis	300.0	DL	200			649925	11/13/23 13:50	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:18	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:09	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:37	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 11:41	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-13

Lab Sample ID: 400-246471-4

Date Collected: 11/09/23 11:56

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	650302	11/15/23 23:06	BPO	EET PEN
Total/NA	Analysis	300.0		1			649711	11/10/23 18:02	JN	EET PEN
Total/NA	Analysis	300.0		50			649925	11/13/23 13:58	JN	EET PEN
Total/NA	Analysis	300.0		50			649927	11/13/23 13:58	JN	EET PEN
Total/NA	Analysis	300.0	DL	200			649925	11/13/23 14:05	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:23	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:13	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:39	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 17:26	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: MW-14

Lab Sample ID: 400-246471-5

Date Collected: 11/09/23 11:20

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 19:20	BPO	EET PEN
Total/NA	Analysis	300.0		1			649711	11/10/23 18:09	JN	EET PEN
Total/NA	Analysis	300.0		20			649925	11/13/23 14:13	JN	EET PEN
Total/NA	Analysis	300.0		20			649927	11/13/23 14:13	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650124	11/14/23 19:16	JN	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 12:44	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-15

Lab Sample ID: 400-246471-6

Date Collected: 11/09/23 10:08

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		2	5 mL	5 mL	650302	11/15/23 22:16	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 18:17	JN	EET PEN
Total/NA	Analysis	300.0		100			649925	11/13/23 14:20	JN	EET PEN
Total/NA	Analysis	300.0		100			649927	11/13/23 14:20	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650124	11/14/23 19:38	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:28	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:17	BAW	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:40	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 14:17	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-18

Lab Sample ID: 400-246471-7

Date Collected: 11/09/23 09:20

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 19:45	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 18:24	JN	EET PEN
Total/NA	Analysis	300.0		20			649925	11/13/23 14:28	JN	EET PEN
Total/NA	Analysis	300.0		20			649927	11/13/23 14:28	JN	EET PEN
Total/NA	Analysis	300.0	DL	1000			651074	11/20/23 19:39	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:34	FC	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: MW-18

Lab Sample ID: 400-246471-7

Date Collected: 11/09/23 09:20

Matrix: Water

Date Received: 11/10/23 09:19

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	650656	11/16/23 11:02	MS	EET PEN
Dissolved	Analysis	6010D		1			650764	11/16/23 17:29	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 10:52	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:41	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 13:04	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-19

Lab Sample ID: 400-246471-8

Date Collected: 11/09/23 10:42

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 15:09	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 18:47	JN	EET PEN
Total/NA	Analysis	300.0		10			649925	11/13/23 14:35	JN	EET PEN
Total/NA	Analysis	300.0		10			649927	11/13/23 14:35	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650116	11/14/23 15:31	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:39	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:33	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 10:56	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650109	11/14/23 10:57	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:54	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 13:10	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-24

Lab Sample ID: 400-246471-9

Date Collected: 11/09/23 09:10

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 20:11	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 19:10	JN	EET PEN
Total/NA	Analysis	300.0		20			649925	11/13/23 14:58	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: MW-24

Lab Sample ID: 400-246471-9

Date Collected: 11/09/23 09:10

Matrix: Water

Date Received: 11/10/23 09:19

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		20			649927	11/13/23 14:58	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650124	11/14/23 19:53	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:55	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:53	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:08	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:50	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 13:22	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-25

Lab Sample ID: 400-246471-10

Date Collected: 11/09/23 13:19

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 20:36	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 19:17	JN	EET PEN
Total/NA	Analysis	300.0		20			649927	11/13/23 15:21	JN	EET PEN
Total/NA	Analysis	300.0		20			650116	11/14/23 16:16	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			651074	11/20/23 19:46	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 02:00	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:57	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:12	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:51	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	650351	11/15/23 16:24	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: MW-26

Lab Sample ID: 400-246471-11

Date Collected: 11/09/23 07:52

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 21:01	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 19:25	JN	EET PEN
Total/NA	Analysis	300.0		20			649925	11/13/23 15:29	JN	EET PEN
Total/NA	Analysis	300.0		20			649927	11/13/23 15:29	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650132	11/14/23 20:38	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 02:06	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 18:01	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:16	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650109	11/14/23 10:57	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 09:16	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651202	11/20/23 15:14	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-27

Lab Sample ID: 400-246471-12

Date Collected: 11/09/23 08:18

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 21:26	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 19:32	JN	EET PEN
Total/NA	Analysis	300.0		50			649925	11/13/23 15:36	JN	EET PEN
Total/NA	Analysis	300.0		50			649927	11/13/23 15:36	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650132	11/14/23 20:46	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 02:21	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 18:05	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:20	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650109	11/14/23 10:57	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 09:17	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651202	11/20/23 15:27	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

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Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: MW-28

Lab Sample ID: 400-246471-13

Date Collected: 11/09/23 08:40

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		10	5 mL	5 mL	650302	11/15/23 23:31	BPO	EET PEN
Total/NA	Analysis	300.0		1			649711	11/10/23 19:40	JN	EET PEN
Total/NA	Analysis	300.0		50			649935	11/13/23 16:21	JN	EET PEN
Total/NA	Analysis	300.0		50			649937	11/13/23 16:21	JN	EET PEN
Total/NA	Analysis	300.0	DL	100			650124	11/14/23 17:08	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 02:27	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 18:17	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:24	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650109	11/14/23 10:57	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 09:18	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 14:23	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: MW-30

Lab Sample ID: 400-246471-14

Date Collected: 11/09/23 13:48

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 21:51	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 19:47	JN	EET PEN
Total/NA	Analysis	300.0		100			649935	11/13/23 16:29	JN	EET PEN
Total/NA	Analysis	300.0		100			649937	11/13/23 16:29	JN	EET PEN
Total/NA	Analysis	300.0	DL	200			650124	11/14/23 17:16	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 02:32	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 18:21	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:28	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650109	11/14/23 10:57	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 09:19	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651202	11/20/23 15:46	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

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Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: DUP-02

Lab Sample ID: 400-246471-15

Date Collected: 11/09/23 12:00

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		5	5 mL	5 mL	650302	11/15/23 22:41	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 19:55	JN	EET PEN
Total/NA	Analysis	300.0		100			649935	11/13/23 16:36	JN	EET PEN
Total/NA	Analysis	300.0		100			649937	11/13/23 16:36	JN	EET PEN
Total/NA	Analysis	300.0	DL	500			650132	11/14/23 20:53	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 02:38	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 18:25	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:39	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650109	11/14/23 10:57	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 09:20	JR	EET PEN
Total/NA	Analysis	SM 2320B		1	50 mL	50 mL	651562	11/22/23 14:28	JP	EET PEN
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: TB-01

Lab Sample ID: 400-246471-16

Date Collected: 11/09/23 07:01

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 16:50	BPO	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649711/5

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			649711	11/10/23 17:17	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-649925/5

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			649925	11/13/23 12:20	JN	EET PEN

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Lab Chronicle

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

Job ID: 400-246471-1

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

Lab Sample ID: MB 400-649927/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			649927	11/13/23 12:20	JN	EET PEN

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

Lab Sample ID: MB 400-649935/85
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			649935	11/13/23 15:59	JN	EET PEN

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

Lab Sample ID: MB 400-649937/85
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			649937	11/13/23 15:59	JN	EET PEN

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

Lab Sample ID: MB 400-650104/14-A
Matrix: Water

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	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:17	JR	EET PEN

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

Lab Sample ID: MB 400-650109/14-A
Matrix: Water

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	650109	11/14/23 10:56	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:52	JR	EET PEN

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

Lab Sample ID: MB 400-650116/5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			650116	11/14/23 12:35	JN	EET PEN

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650124/137

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			650124	11/14/23 16:38	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650132/166

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			650132	11/14/23 20:31	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650302/3

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	8260D		1	5 mL	5 mL	650302	11/15/23 14:19	BPO	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650351/2

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	50 mL	50 mL	650351	11/15/23 09:51	JP	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650540/1

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	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-650656/1-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	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Total Recoverable	Analysis	6010D		1			651714	11/23/23 00:46	FC	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Total Recoverable	Analysis	6010D		1			650764	11/16/23 16:41	BAW	EET PEN

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Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: Method Blank**Lab Sample ID: MB 400-651074/157****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			651074	11/20/23 17:53	JN	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-651202/1****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 2320B		1	50 mL	50 mL	651202	11/20/23 14:39	JP	EET PEN

Client Sample ID: Method Blank**Lab Sample ID: MB 400-651562/1****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 2320B		1	50 mL	50 mL	651562	11/22/23 13:36	JP	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649711/6****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			649711	11/10/23 17:24	JN	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649925/6****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			649925	11/13/23 12:28	JN	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649927/6****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			649927	11/13/23 12:28	JN	EET PEN

Client Sample ID: Lab Control Sample**Lab Sample ID: LCS 400-649935/86****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			649935	11/13/23 16:06	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-649937/86

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			649937	11/13/23 16:06	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650104/15-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	650104	11/14/23 10:46	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:18	JR	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650109/15-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	650109	11/14/23 10:56	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Total/NA	Analysis	7470A		1			650360	11/15/23 08:53	JR	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650124/138

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			650124	11/14/23 16:46	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650132/167

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			650132	11/14/23 20:16	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650302/1001

Date Collected: N/A

Matrix: Water

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 13:20	BPO	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650351/4

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	50 mL	50 mL	650351	11/15/23 10:00	JP	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650540/2

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	650540	11/16/23 07:46	HA	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-650656/2-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	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Total Recoverable	Analysis	6010D		1			651714	11/23/23 00:51	FC	EET PEN
Total Recoverable	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Total Recoverable	Analysis	6010D		1			650764	11/16/23 16:45	BAW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-651074/158

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			651074	11/20/23 18:01	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-651202/3

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	50 mL	50 mL	651202	11/20/23 14:46	JP	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-651562/3

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	50 mL	50 mL	651562	11/22/23 13:45	JP	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649711/144

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			649711	11/10/23 17:32	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649925/7

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			649925	11/13/23 12:35	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649927/7

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			649927	11/13/23 12:35	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649935/87

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			649935	11/13/23 16:14	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-649937/87

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			649937	11/13/23 16:14	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-650124/139

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			650124	11/14/23 16:53	JN	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-650132/168

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			650132	11/14/23 20:23	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-651074/159

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			651074	11/20/23 18:08	JN	EET PEN

Client Sample ID: MW-19

Lab Sample ID: 400-246471-8 MS

Date Collected: 11/09/23 10:42

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 15:34	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 18:55	JN	EET PEN
Total/NA	Analysis	300.0		10			649925	11/13/23 14:43	JN	EET PEN
Total/NA	Analysis	300.0		10			649927	11/13/23 14:43	JN	EET PEN
Total/NA	Analysis	300.0		500			650116	11/14/23 15:38	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:44	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:45	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:00	FC	EET PEN
Dissolved	Prep	7470A			40 mL	40 mL	650109	11/14/23 10:57	JR	EET PEN
							Completed:	11/14/23 13:25 ¹		
Dissolved	Analysis	7470A		1			650360	11/15/23 08:57	JR	EET PEN

Client Sample ID: MW-19

Lab Sample ID: 400-246471-8 MSD

Date Collected: 11/09/23 10:42

Matrix: Water

Date Received: 11/10/23 09:19

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	650302	11/15/23 15:59	BPO	EET PEN
Total/NA	Analysis	300.0		1	0 mL	1.0 mL	649711	11/10/23 19:02	JN	EET PEN
Total/NA	Analysis	300.0		10			649925	11/13/23 14:50	JN	EET PEN
Total/NA	Analysis	300.0		10			649927	11/13/23 14:50	JN	EET PEN
Total/NA	Analysis	300.0		500			650116	11/14/23 16:01	JN	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			651714	11/23/23 01:50	FC	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		1			650764	11/16/23 17:49	BAW	EET PEN
Dissolved	Prep	3005A			50 mL	50 mL	650656	11/16/23 11:02	MS	EET PEN
							Completed:	11/16/23 11:34 ¹		
Dissolved	Analysis	6010D		2			652066	11/28/23 11:04	FC	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-246471-1

Client Sample ID: MW-19
Date Collected: 11/09/23 10:42
Date Received: 11/10/23 09:19

Lab Sample ID: 400-246471-8 MSD
Matrix: Water

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	650109	11/14/23 10:57	JR	EET PEN
Dissolved	Analysis	7470A		1			650360	11/15/23 09:01	JR	EET PEN

Client Sample ID: MW-19
Date Collected: 11/09/23 10:42
Date Received: 11/10/23 09:19

Lab Sample ID: 400-246471-8 DU
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	5 mL	50 mL	650540	11/16/23 07:46	HA	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

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

QC Association Summary

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

Job ID: 400-246471-1

GC/MS VOA

Analysis Batch: 650302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Total/NA	Water	8260D	
400-246471-2	MW-11	Total/NA	Water	8260D	
400-246471-3	MW-12	Total/NA	Water	8260D	
400-246471-4	MW-13	Total/NA	Water	8260D	
400-246471-5	MW-14	Total/NA	Water	8260D	
400-246471-6	MW-15	Total/NA	Water	8260D	
400-246471-7	MW-18	Total/NA	Water	8260D	
400-246471-8	MW-19	Total/NA	Water	8260D	
400-246471-9	MW-24	Total/NA	Water	8260D	
400-246471-10	MW-25	Total/NA	Water	8260D	
400-246471-11	MW-26	Total/NA	Water	8260D	
400-246471-12	MW-27	Total/NA	Water	8260D	
400-246471-13	MW-28	Total/NA	Water	8260D	
400-246471-14	MW-30	Total/NA	Water	8260D	
400-246471-15	DUP-02	Total/NA	Water	8260D	
400-246471-16	TB-01	Total/NA	Water	8260D	
MB 400-650302/3	Method Blank	Total/NA	Water	8260D	
LCS 400-650302/1001	Lab Control Sample	Total/NA	Water	8260D	
400-246471-8 MS	MW-19	Total/NA	Water	8260D	
400-246471-8 MSD	MW-19	Total/NA	Water	8260D	

HPLC/IC

Analysis Batch: 649711

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Total/NA	Water	300.0	
400-246471-2	MW-11	Total/NA	Water	300.0	
400-246471-3	MW-12	Total/NA	Water	300.0	
400-246471-4	MW-13	Total/NA	Water	300.0	
400-246471-5	MW-14	Total/NA	Water	300.0	
400-246471-6	MW-15	Total/NA	Water	300.0	
400-246471-7	MW-18	Total/NA	Water	300.0	
400-246471-8	MW-19	Total/NA	Water	300.0	
400-246471-9	MW-24	Total/NA	Water	300.0	
400-246471-10	MW-25	Total/NA	Water	300.0	
400-246471-11	MW-26	Total/NA	Water	300.0	
400-246471-12	MW-27	Total/NA	Water	300.0	
400-246471-13	MW-28	Total/NA	Water	300.0	
400-246471-14	MW-30	Total/NA	Water	300.0	
400-246471-15	DUP-02	Total/NA	Water	300.0	
MB 400-649711/5	Method Blank	Total/NA	Water	300.0	
LCS 400-649711/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649711/144	Lab Control Sample Dup	Total/NA	Water	300.0	
400-246471-8 MS	MW-19	Total/NA	Water	300.0	
400-246471-8 MSD	MW-19	Total/NA	Water	300.0	

Analysis Batch: 649925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Total/NA	Water	300.0	
400-246471-2	MW-11	Total/NA	Water	300.0	
400-246471-3	MW-12	Total/NA	Water	300.0	

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-246471-1

HPLC/IC (Continued)

Analysis Batch: 649925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-3 - DL	MW-12	Total/NA	Water	300.0	
400-246471-4	MW-13	Total/NA	Water	300.0	
400-246471-4 - DL	MW-13	Total/NA	Water	300.0	
400-246471-5	MW-14	Total/NA	Water	300.0	
400-246471-6	MW-15	Total/NA	Water	300.0	
400-246471-7	MW-18	Total/NA	Water	300.0	
400-246471-8	MW-19	Total/NA	Water	300.0	
400-246471-9	MW-24	Total/NA	Water	300.0	
400-246471-11	MW-26	Total/NA	Water	300.0	
400-246471-12	MW-27	Total/NA	Water	300.0	
MB 400-649925/5	Method Blank	Total/NA	Water	300.0	
LCS 400-649925/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649925/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-246471-8 MS	MW-19	Total/NA	Water	300.0	
400-246471-8 MSD	MW-19	Total/NA	Water	300.0	

Analysis Batch: 649927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Total/NA	Water	300.0	
400-246471-2	MW-11	Total/NA	Water	300.0	
400-246471-3	MW-12	Total/NA	Water	300.0	
400-246471-4	MW-13	Total/NA	Water	300.0	
400-246471-5	MW-14	Total/NA	Water	300.0	
400-246471-6	MW-15	Total/NA	Water	300.0	
400-246471-7	MW-18	Total/NA	Water	300.0	
400-246471-8	MW-19	Total/NA	Water	300.0	
400-246471-9	MW-24	Total/NA	Water	300.0	
400-246471-10	MW-25	Total/NA	Water	300.0	
400-246471-11	MW-26	Total/NA	Water	300.0	
400-246471-12	MW-27	Total/NA	Water	300.0	
MB 400-649927/5	Method Blank	Total/NA	Water	300.0	
LCS 400-649927/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649927/7	Lab Control Sample Dup	Total/NA	Water	300.0	
400-246471-8 MS	MW-19	Total/NA	Water	300.0	
400-246471-8 MSD	MW-19	Total/NA	Water	300.0	

Analysis Batch: 649935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-13	MW-28	Total/NA	Water	300.0	
400-246471-14	MW-30	Total/NA	Water	300.0	
400-246471-15	DUP-02	Total/NA	Water	300.0	
MB 400-649935/85	Method Blank	Total/NA	Water	300.0	
LCS 400-649935/86	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649935/87	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 649937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-13	MW-28	Total/NA	Water	300.0	
400-246471-14	MW-30	Total/NA	Water	300.0	
400-246471-15	DUP-02	Total/NA	Water	300.0	
MB 400-649937/85	Method Blank	Total/NA	Water	300.0	

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-246471-1

HPLC/IC (Continued)

Analysis Batch: 649937 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 400-649937/86	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-649937/87	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 650116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-2 - DL	MW-11	Total/NA	Water	300.0	
400-246471-8 - DL	MW-19	Total/NA	Water	300.0	
400-246471-10	MW-25	Total/NA	Water	300.0	
MB 400-650116/5	Method Blank	Total/NA	Water	300.0	
400-246471-8 MS	MW-19	Total/NA	Water	300.0	
400-246471-8 MSD	MW-19	Total/NA	Water	300.0	

Analysis Batch: 650124

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1 - DL	MW-9	Total/NA	Water	300.0	
400-246471-5 - DL	MW-14	Total/NA	Water	300.0	
400-246471-6 - DL	MW-15	Total/NA	Water	300.0	
400-246471-9 - DL	MW-24	Total/NA	Water	300.0	
400-246471-13 - DL	MW-28	Total/NA	Water	300.0	
400-246471-14 - DL	MW-30	Total/NA	Water	300.0	
MB 400-650124/137	Method Blank	Total/NA	Water	300.0	
LCS 400-650124/138	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-650124/139	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 650132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-11 - DL	MW-26	Total/NA	Water	300.0	
400-246471-12 - DL	MW-27	Total/NA	Water	300.0	
400-246471-15 - DL	DUP-02	Total/NA	Water	300.0	
MB 400-650132/166	Method Blank	Total/NA	Water	300.0	
LCS 400-650132/167	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-650132/168	Lab Control Sample Dup	Total/NA	Water	300.0	

Analysis Batch: 651074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-7 - DL	MW-18	Total/NA	Water	300.0	
400-246471-10 - DL	MW-25	Total/NA	Water	300.0	
MB 400-651074/157	Method Blank	Total/NA	Water	300.0	
LCS 400-651074/158	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-651074/159	Lab Control Sample Dup	Total/NA	Water	300.0	

Metals

Prep Batch: 650104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Dissolved	Water	7470A	
400-246471-2	MW-11	Dissolved	Water	7470A	
400-246471-3	MW-12	Dissolved	Water	7470A	
400-246471-4	MW-13	Dissolved	Water	7470A	
400-246471-6	MW-15	Dissolved	Water	7470A	
400-246471-7	MW-18	Dissolved	Water	7470A	

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QC Association Summary

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

Job ID: 400-246471-1

Metals (Continued)

Prep Batch: 650104 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-9	MW-24	Dissolved	Water	7470A	
400-246471-10	MW-25	Dissolved	Water	7470A	
MB 400-650104/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-650104/15-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 650109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-8	MW-19	Dissolved	Water	7470A	
400-246471-11	MW-26	Dissolved	Water	7470A	
400-246471-12	MW-27	Dissolved	Water	7470A	
400-246471-13	MW-28	Dissolved	Water	7470A	
400-246471-14	MW-30	Dissolved	Water	7470A	
400-246471-15	DUP-02	Dissolved	Water	7470A	
MB 400-650109/14-A	Method Blank	Total/NA	Water	7470A	
LCS 400-650109/15-A	Lab Control Sample	Total/NA	Water	7470A	
400-246471-8 MS	MW-19	Dissolved	Water	7470A	
400-246471-8 MSD	MW-19	Dissolved	Water	7470A	

Analysis Batch: 650360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Dissolved	Water	7470A	650104
400-246471-2	MW-11	Dissolved	Water	7470A	650104
400-246471-3	MW-12	Dissolved	Water	7470A	650104
400-246471-4	MW-13	Dissolved	Water	7470A	650104
400-246471-6	MW-15	Dissolved	Water	7470A	650104
400-246471-7	MW-18	Dissolved	Water	7470A	650104
400-246471-8	MW-19	Dissolved	Water	7470A	650109
400-246471-9	MW-24	Dissolved	Water	7470A	650104
400-246471-10	MW-25	Dissolved	Water	7470A	650104
400-246471-11	MW-26	Dissolved	Water	7470A	650109
400-246471-12	MW-27	Dissolved	Water	7470A	650109
400-246471-13	MW-28	Dissolved	Water	7470A	650109
400-246471-14	MW-30	Dissolved	Water	7470A	650109
400-246471-15	DUP-02	Dissolved	Water	7470A	650109
MB 400-650104/14-A	Method Blank	Total/NA	Water	7470A	650104
MB 400-650109/14-A	Method Blank	Total/NA	Water	7470A	650109
LCS 400-650104/15-A	Lab Control Sample	Total/NA	Water	7470A	650104
LCS 400-650109/15-A	Lab Control Sample	Total/NA	Water	7470A	650109
400-246471-8 MS	MW-19	Dissolved	Water	7470A	650109
400-246471-8 MSD	MW-19	Dissolved	Water	7470A	650109

Prep Batch: 650656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Dissolved	Water	3005A	
400-246471-2	MW-11	Dissolved	Water	3005A	
400-246471-3	MW-12	Dissolved	Water	3005A	
400-246471-4	MW-13	Dissolved	Water	3005A	
400-246471-6	MW-15	Dissolved	Water	3005A	
400-246471-7	MW-18	Dissolved	Water	3005A	
400-246471-8	MW-19	Dissolved	Water	3005A	
400-246471-9	MW-24	Dissolved	Water	3005A	

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QC Association Summary

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

Job ID: 400-246471-1

Metals (Continued)

Prep Batch: 650656 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-10	MW-25	Dissolved	Water	3005A	
400-246471-11	MW-26	Dissolved	Water	3005A	
400-246471-12	MW-27	Dissolved	Water	3005A	
400-246471-13	MW-28	Dissolved	Water	3005A	
400-246471-14	MW-30	Dissolved	Water	3005A	
400-246471-15	DUP-02	Dissolved	Water	3005A	
MB 400-650656/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 400-650656/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-246471-8 MS	MW-19	Dissolved	Water	3005A	
400-246471-8 MSD	MW-19	Dissolved	Water	3005A	

Analysis Batch: 650764

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Dissolved	Water	6010D	650656
400-246471-2	MW-11	Dissolved	Water	6010D	650656
400-246471-3	MW-12	Dissolved	Water	6010D	650656
400-246471-4	MW-13	Dissolved	Water	6010D	650656
400-246471-6	MW-15	Dissolved	Water	6010D	650656
400-246471-7	MW-18	Dissolved	Water	6010D	650656
400-246471-8	MW-19	Dissolved	Water	6010D	650656
400-246471-9	MW-24	Dissolved	Water	6010D	650656
400-246471-10	MW-25	Dissolved	Water	6010D	650656
400-246471-11	MW-26	Dissolved	Water	6010D	650656
400-246471-12	MW-27	Dissolved	Water	6010D	650656
400-246471-13	MW-28	Dissolved	Water	6010D	650656
400-246471-14	MW-30	Dissolved	Water	6010D	650656
400-246471-15	DUP-02	Dissolved	Water	6010D	650656
MB 400-650656/1-A	Method Blank	Total Recoverable	Water	6010D	650656
LCS 400-650656/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650656
400-246471-8 MS	MW-19	Dissolved	Water	6010D	650656
400-246471-8 MSD	MW-19	Dissolved	Water	6010D	650656

Analysis Batch: 651714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Dissolved	Water	6010D	650656
400-246471-2	MW-11	Dissolved	Water	6010D	650656
400-246471-3	MW-12	Dissolved	Water	6010D	650656
400-246471-4	MW-13	Dissolved	Water	6010D	650656
400-246471-6	MW-15	Dissolved	Water	6010D	650656
400-246471-7	MW-18	Dissolved	Water	6010D	650656
400-246471-8	MW-19	Dissolved	Water	6010D	650656
400-246471-9	MW-24	Dissolved	Water	6010D	650656
400-246471-10	MW-25	Dissolved	Water	6010D	650656
400-246471-11	MW-26	Dissolved	Water	6010D	650656
400-246471-12	MW-27	Dissolved	Water	6010D	650656
400-246471-13	MW-28	Dissolved	Water	6010D	650656
400-246471-14	MW-30	Dissolved	Water	6010D	650656
400-246471-15	DUP-02	Dissolved	Water	6010D	650656
MB 400-650656/1-A	Method Blank	Total Recoverable	Water	6010D	650656
LCS 400-650656/2-A	Lab Control Sample	Total Recoverable	Water	6010D	650656
400-246471-8 MS	MW-19	Dissolved	Water	6010D	650656

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QC Association Summary

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

Job ID: 400-246471-1

Metals (Continued)

Analysis Batch: 651714 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-8 MSD	MW-19	Dissolved	Water	6010D	650656

Analysis Batch: 652066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-7	MW-18	Dissolved	Water	6010D	650656
400-246471-8	MW-19	Dissolved	Water	6010D	650656
400-246471-9	MW-24	Dissolved	Water	6010D	650656
400-246471-10	MW-25	Dissolved	Water	6010D	650656
400-246471-11	MW-26	Dissolved	Water	6010D	650656
400-246471-12	MW-27	Dissolved	Water	6010D	650656
400-246471-13	MW-28	Dissolved	Water	6010D	650656
400-246471-14	MW-30	Dissolved	Water	6010D	650656
400-246471-15	DUP-02	Dissolved	Water	6010D	650656
400-246471-8 MS	MW-19	Dissolved	Water	6010D	650656
400-246471-8 MSD	MW-19	Dissolved	Water	6010D	650656

General Chemistry

Analysis Batch: 650351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Total/NA	Water	SM 2320B	
400-246471-2	MW-11	Total/NA	Water	SM 2320B	
400-246471-3	MW-12	Total/NA	Water	SM 2320B	
400-246471-5	MW-14	Total/NA	Water	SM 2320B	
400-246471-7	MW-18	Total/NA	Water	SM 2320B	
400-246471-8	MW-19	Total/NA	Water	SM 2320B	
400-246471-9	MW-24	Total/NA	Water	SM 2320B	
400-246471-10	MW-25	Total/NA	Water	SM 2320B	
MB 400-650351/2	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-650351/4	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 650540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-1	MW-9	Total/NA	Water	SM 2540C	
400-246471-2	MW-11	Total/NA	Water	SM 2540C	
400-246471-3	MW-12	Total/NA	Water	SM 2540C	
400-246471-4	MW-13	Total/NA	Water	SM 2540C	
400-246471-5	MW-14	Total/NA	Water	SM 2540C	
400-246471-6	MW-15	Total/NA	Water	SM 2540C	
400-246471-7	MW-18	Total/NA	Water	SM 2540C	
400-246471-8	MW-19	Total/NA	Water	SM 2540C	
400-246471-9	MW-24	Total/NA	Water	SM 2540C	
400-246471-10	MW-25	Total/NA	Water	SM 2540C	
400-246471-11	MW-26	Total/NA	Water	SM 2540C	
400-246471-12	MW-27	Total/NA	Water	SM 2540C	
400-246471-13	MW-28	Total/NA	Water	SM 2540C	
400-246471-14	MW-30	Total/NA	Water	SM 2540C	
400-246471-15	DUP-02	Total/NA	Water	SM 2540C	
MB 400-650540/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 400-650540/2	Lab Control Sample	Total/NA	Water	SM 2540C	
400-246471-8 DU	MW-19	Total/NA	Water	SM 2540C	

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QC Association Summary

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

Job ID: 400-246471-1

General Chemistry

Analysis Batch: 651202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-11	MW-26	Total/NA	Water	SM 2320B	
400-246471-12	MW-27	Total/NA	Water	SM 2320B	
400-246471-14	MW-30	Total/NA	Water	SM 2320B	
MB 400-651202/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-651202/3	Lab Control Sample	Total/NA	Water	SM 2320B	

Analysis Batch: 651562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-246471-4	MW-13	Total/NA	Water	SM 2320B	
400-246471-6	MW-15	Total/NA	Water	SM 2320B	
400-246471-13	MW-28	Total/NA	Water	SM 2320B	
400-246471-15	DUP-02	Total/NA	Water	SM 2320B	
MB 400-651562/1	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-651562/3	Lab Control Sample	Total/NA	Water	SM 2320B	

QC Sample Results

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

Job ID: 400-246471-1

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

Lab Sample ID: MB 400-650302/3

Matrix: Water

Analysis Batch: 650302

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 14:19	1
Ethylbenzene	0.00050	U	0.0010	0.00050	mg/L			11/15/23 14:19	1
Toluene	0.00090	U	0.0010	0.00090	mg/L			11/15/23 14:19	1
Xylenes, Total	0.0016	U	0.010	0.0016	mg/L			11/15/23 14:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		72 - 130		11/15/23 14:19	1
Dibromofluoromethane	92		75 - 126		11/15/23 14:19	1
Toluene-d8 (Surr)	108		64 - 132		11/15/23 14:19	1

Lab Sample ID: LCS 400-650302/1001

Matrix: Water

Analysis Batch: 650302

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	0.0512		mg/L		102	70 - 130
Ethylbenzene	0.0500	0.0549		mg/L		110	70 - 130
Toluene	0.0500	0.0540		mg/L		108	70 - 130
Xylenes, Total	0.100	0.108		mg/L		108	70 - 130
m-Xylene & p-Xylene	0.0500	0.0548		mg/L		110	70 - 130
o-Xylene	0.0500	0.0533		mg/L		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	107		72 - 130
Dibromofluoromethane	97		75 - 126
Toluene-d8 (Surr)	105		64 - 132

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 650302

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	0.00050	U	0.0500	0.0479		mg/L		96	56 - 142
Ethylbenzene	0.00050	U	0.0500	0.0480		mg/L		96	58 - 131
Toluene	0.00090	U	0.0500	0.0513		mg/L		103	65 - 130
Xylenes, Total	0.0016	U	0.100	0.0952		mg/L		95	59 - 130
m-Xylene & p-Xylene	0.00063	U	0.0500	0.0478		mg/L		96	57 - 130
o-Xylene	0.00060	U	0.0500	0.0474		mg/L		95	61 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	105		72 - 130
Dibromofluoromethane	89		75 - 126
Toluene-d8 (Surr)	104		64 - 132

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QC Sample Results

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

Job ID: 400-246471-1

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

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 650302

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	0.00050	U	0.0500	0.0495		mg/L		99	56 - 142	3	30
Ethylbenzene	0.00050	U	0.0500	0.0469		mg/L		94	58 - 131	2	30
Toluene	0.00090	U	0.0500	0.0513		mg/L		103	65 - 130	0	30
Xylenes, Total	0.0016	U	0.100	0.0923		mg/L		92	59 - 130	3	30
m-Xylene & p-Xylene	0.00063	U	0.0500	0.0464		mg/L		93	57 - 130	3	30
o-Xylene	0.00060	U	0.0500	0.0459		mg/L		92	61 - 130	3	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	107		72 - 130
Dibromofluoromethane	89		75 - 126
Toluene-d8 (Surr)	106		64 - 132

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-649711/5

Matrix: Water

Analysis Batch: 649711

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			11/10/23 17:17	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/10/23 17:17	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/10/23 17:17	1

Lab Sample ID: LCS 400-649711/6

Matrix: Water

Analysis Batch: 649711

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	2.25		mg/L		99	90 - 110
Nitrate Nitrite as N	5.30	5.00		mg/L		94	90 - 110
Nitrite as N	3.04	2.75		mg/L		90	90 - 110

Lab Sample ID: LCSD 400-649711/144

Matrix: Water

Analysis Batch: 649711

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	2.26		mg/L		100	90 - 110	1	15
Nitrate Nitrite as N	5.30	5.01		mg/L		95	90 - 110	0	15
Nitrite as N	3.04	2.75		mg/L		90	90 - 110	0	15

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 649711

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	0.063	U F1	2.26	0.063	U F1	mg/L		0	80 - 120
Nitrate Nitrite as N	0.063	U F1	5.30	0.063	U F1	mg/L		0	80 - 120
Nitrite as N	0.083	U F1	3.04	0.083	U F1	mg/L		0	80 - 120

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QC Sample Results

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

Job ID: 400-246471-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 649711

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	0.063	U F1	2.26	0.063	U F1	mg/L		0	80 - 120	NC	20
Nitrate Nitrite as N	0.063	U F1	5.30	0.063	U F1	mg/L		0	80 - 120	NC	20
Nitrite as N	0.083	U F1	3.04	0.083	U F1	mg/L		0	80 - 120	NC	20

Lab Sample ID: MB 400-649925/5

Matrix: Water

Analysis Batch: 649925

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	1.0	0.25	mg/L			11/13/23 12:20	1
Sulfate	0.39	U	1.0	0.39	mg/L			11/13/23 12:20	1

Lab Sample ID: LCS 400-649925/6

Matrix: Water

Analysis Batch: 649925

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	9.13		mg/L		91	90 - 110
Sulfate	10.0	9.01		mg/L		90	90 - 110

Lab Sample ID: LCSD 400-649925/7

Matrix: Water

Analysis Batch: 649925

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	9.11		mg/L		91	90 - 110	0	15
Sulfate	10.0	9.00		mg/L		90	90 - 110	0	15

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 649925

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	F1	100	26.8	F1	mg/L		-155	80 - 120

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 649925

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	F1	100	24.2	F1	mg/L		-157	80 - 120	10	20

Lab Sample ID: MB 400-649927/5

Matrix: Water

Analysis Batch: 649927

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			11/13/23 12:20	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/13/23 12:20	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/13/23 12:20	1

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QC Sample Results

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

Job ID: 400-246471-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 400-649927/6

Matrix: Water

Analysis Batch: 649927

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	2.14		mg/L		95	90 - 110
Nitrate Nitrite as N	5.30	4.81		mg/L		91	90 - 110
Nitrite as N	3.04	2.67	*-	mg/L		88	90 - 110

Lab Sample ID: LCSD 400-649927/7

Matrix: Water

Analysis Batch: 649927

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	2.14		mg/L		95	90 - 110	0	15
Nitrate Nitrite as N	5.30	4.83		mg/L		91	90 - 110	0	15
Nitrite as N	3.04	2.69	*-	mg/L		88	90 - 110	1	15

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 649927

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	3.7	H F1	22.6	3.08	H F1	mg/L		-3	80 - 120
Nitrate Nitrite as N	3.7	H F1	53.0	5.72	H F1	mg/L		4	80 - 120
Nitrite as N	0.83	U H F1 *-	30.4	2.64	H F1	mg/L		9	80 - 120

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 649927

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	3.7	H F1	22.6	2.91	H F1	mg/L		-3	80 - 120	6	20
Nitrate Nitrite as N	3.7	H F1	53.0	5.54	H F1	mg/L		3	80 - 120	3	20
Nitrite as N	0.83	U H F1 *-	30.4	2.63	H F1	mg/L		9	80 - 120	0	20

Lab Sample ID: MB 400-649935/85

Matrix: Water

Analysis Batch: 649935

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	1.0	0.25	mg/L			11/13/23 15:59	1

Lab Sample ID: LCS 400-649935/86

Matrix: Water

Analysis Batch: 649935

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	9.27		mg/L		93	90 - 110

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246471-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-649935/87

Matrix: Water

Analysis Batch: 649935

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	9.25		mg/L		93	90 - 110	0	15

Lab Sample ID: MB 400-649937/85

Matrix: Water

Analysis Batch: 649937

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			11/13/23 15:59	1
Nitrate Nitrite as N	0.063	U	0.10	0.063	mg/L			11/13/23 15:59	1
Nitrite as N	0.083	U	0.10	0.083	mg/L			11/13/23 15:59	1

Lab Sample ID: LCS 400-649937/86

Matrix: Water

Analysis Batch: 649937

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	2.18		mg/L		97	90 - 110
Nitrate Nitrite as N	5.30	4.92		mg/L		93	90 - 110
Nitrite as N	3.04	2.74		mg/L		90	90 - 110

Lab Sample ID: LCSD 400-649937/87

Matrix: Water

Analysis Batch: 649937

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	1	15
Nitrate Nitrite as N	5.30	4.95		mg/L		93	90 - 110	1	15
Nitrite as N	3.04	2.75		mg/L		91	90 - 110	0	15

Lab Sample ID: MB 400-650116/5

Matrix: Water

Analysis Batch: 650116

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.25	U	1.0	0.25	mg/L			11/14/23 12:35	1
Sulfate	0.39	U	1.0	0.39	mg/L			11/14/23 12:35	1

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 650116

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
Sulfate	9000	F1	5000	4390	F1	mg/L		-91	80 - 120

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 650116

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	9000	F1	5000	4710	F1	mg/L		-85	80 - 120	7	20

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246471-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-650124/137

Matrix: Water

Analysis Batch: 650124

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.39	U	1.0	0.39	mg/L			11/14/23 16:38	1

Lab Sample ID: LCS 400-650124/138

Matrix: Water

Analysis Batch: 650124

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.26		mg/L		93	90 - 110

Lab Sample ID: LCSD 400-650124/139

Matrix: Water

Analysis Batch: 650124

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
Sulfate	10.0	9.17		mg/L		92	90 - 110	1	15

Lab Sample ID: MB 400-650132/166

Matrix: Water

Analysis Batch: 650132

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.39	U	1.0	0.39	mg/L			11/14/23 20:31	1

Lab Sample ID: LCS 400-650132/167

Matrix: Water

Analysis Batch: 650132

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.29		mg/L		93	90 - 110

Lab Sample ID: LCSD 400-650132/168

Matrix: Water

Analysis Batch: 650132

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
Sulfate	10.0	9.35		mg/L		94	90 - 110	1	15

Lab Sample ID: MB 400-651074/157

Matrix: Water

Analysis Batch: 651074

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.39	U	1.0	0.39	mg/L			11/20/23 17:53	1

Lab Sample ID: LCS 400-651074/158

Matrix: Water

Analysis Batch: 651074

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	10.0	9.36		mg/L		94	90 - 110

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246471-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 400-651074/159

Matrix: Water

Analysis Batch: 651074

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
Sulfate	10.0	9.46		mg/L		95	90 - 110	1	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-650656/1-A

Matrix: Water

Analysis Batch: 650764

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum, Dissolved	0.10	U	0.20	0.10	mg/L		11/16/23 11:02	11/16/23 16:41	1
Arsenic, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 16:41	1
Barium, Dissolved	0.010	U	0.010	0.010	mg/L		11/16/23 11:02	11/16/23 16:41	1
Cadmium, Dissolved	0.0020	U	0.0050	0.0020	mg/L		11/16/23 11:02	11/16/23 16:41	1
Chromium, Dissolved	0.0050	U	0.010	0.0050	mg/L		11/16/23 11:02	11/16/23 16:41	1
Cobalt, Dissolved	0.0030	U	0.010	0.0030	mg/L		11/16/23 11:02	11/16/23 16:41	1
Copper, Dissolved	0.017	U	0.020	0.017	mg/L		11/16/23 11:02	11/16/23 16:41	1
Iron, Dissolved	0.075	U	0.20	0.075	mg/L		11/16/23 11:02	11/16/23 16:41	1
Lead, Dissolved	0.0020	U	0.010	0.0020	mg/L		11/16/23 11:02	11/16/23 16:41	1
Manganese, Dissolved	0.0060	U	0.010	0.0060	mg/L		11/16/23 11:02	11/16/23 16:41	1
Molybdenum, Dissolved	0.0040	U	0.10	0.0040	mg/L		11/16/23 11:02	11/16/23 16:41	1
Nickel, Dissolved	0.0030	U	0.0060	0.0030	mg/L		11/16/23 11:02	11/16/23 16:41	1
Selenium, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 16:41	1
Silver, Dissolved	0.0040	U	0.0050	0.0040	mg/L		11/16/23 11:02	11/16/23 16:41	1
Zinc, Dissolved	0.0080	U	0.020	0.0080	mg/L		11/16/23 11:02	11/16/23 16:41	1

Lab Sample ID: MB 400-650656/1-A

Matrix: Water

Analysis Batch: 651714

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 650656

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron, Dissolved	0.053	U	0.10	0.053	mg/L		11/16/23 11:02	11/23/23 00:46	1

Lab Sample ID: LCS 400-650656/2-A

Matrix: Water

Analysis Batch: 650764

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum, Dissolved	10.0	10.1		mg/L		101	80 - 120
Arsenic, Dissolved	1.00	1.02		mg/L		102	80 - 120
Barium, Dissolved	1.00	1.02		mg/L		102	80 - 120
Cadmium, Dissolved	0.500	0.526		mg/L		105	80 - 120
Chromium, Dissolved	1.00	1.02		mg/L		102	80 - 120
Cobalt, Dissolved	1.00	1.03		mg/L		103	80 - 120
Copper, Dissolved	1.00	1.04		mg/L		104	80 - 120
Iron, Dissolved	10.0	8.95		mg/L		89	80 - 120
Lead, Dissolved	1.00	0.986		mg/L		99	80 - 120
Manganese, Dissolved	1.00	0.951		mg/L		95	80 - 120
Nickel, Dissolved	1.00	1.04		mg/L		104	80 - 120
Selenium, Dissolved	1.00	1.13		mg/L		113	80 - 120

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246471-1

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

Lab Sample ID: LCS 400-650656/2-A

Matrix: Water

Analysis Batch: 650764

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver, Dissolved	0.500	0.483		mg/L		97	80 - 120
Zinc, Dissolved	1.00	1.06		mg/L		106	80 - 120

Lab Sample ID: LCS 400-650656/2-A

Matrix: Water

Analysis Batch: 651714

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 650656

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	1.00	0.989		mg/L		99	80 - 120
Molybdenum, Dissolved	1.00	0.997		mg/L		100	80 - 120

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 650764

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 650656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum, Dissolved	0.10	U	10.0	10.0		mg/L		100	75 - 125
Arsenic, Dissolved	0.0060	U	1.00	0.969		mg/L		97	75 - 125
Barium, Dissolved	0.010	U	1.00	0.924		mg/L		92	75 - 125
Cadmium, Dissolved	0.0082		0.500	0.497		mg/L		98	75 - 125
Chromium, Dissolved	0.0050	U	1.00	0.946		mg/L		95	75 - 125
Cobalt, Dissolved	0.061		1.00	1.04		mg/L		98	75 - 125
Copper, Dissolved	0.017	U	1.00	0.991		mg/L		99	75 - 125
Lead, Dissolved	0.0021	J	1.00	0.896		mg/L		89	75 - 125
Manganese, Dissolved	9.5		1.00	10.1	4	mg/L		64	75 - 125
Molybdenum, Dissolved	0.0040	U ^-	1.00	0.746		mg/L		75	75 - 125
Nickel, Dissolved	0.18		1.00	1.14		mg/L		97	75 - 125
Selenium, Dissolved	0.016	J	1.00	1.03		mg/L		101	75 - 125
Silver, Dissolved	0.0040	U	0.500	0.456		mg/L		91	75 - 125
Zinc, Dissolved	0.11		1.00	1.02		mg/L		90	75 - 125

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 651714

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 650656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron, Dissolved	0.86		1.00	1.86		mg/L		100	75 - 125

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 652066

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 650656

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron, Dissolved	0.15	U ^-	10.0	10.2	^-	mg/L		102	75 - 125

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246471-1

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

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 650764

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 650656

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aluminum, Dissolved	0.10	U	10.0	9.92		mg/L		99	75 - 125	1	20
Arsenic, Dissolved	0.0060	U	1.00	0.964		mg/L		96	75 - 125	1	20
Barium, Dissolved	0.010	U	1.00	0.915		mg/L		91	75 - 125	1	20
Cadmium, Dissolved	0.0082		0.500	0.494		mg/L		97	75 - 125	1	20
Chromium, Dissolved	0.0050	U	1.00	0.922		mg/L		92	75 - 125	3	20
Cobalt, Dissolved	0.061		1.00	1.04		mg/L		97	75 - 125	0	20
Copper, Dissolved	0.017	U	1.00	0.975		mg/L		98	75 - 125	2	20
Lead, Dissolved	0.0021	J	1.00	0.890		mg/L		89	75 - 125	1	20
Manganese, Dissolved	9.5		1.00	10.0	4	mg/L		54	75 - 125	1	20
Molybdenum, Dissolved	0.0040	U ^-	1.00	0.755		mg/L		75	75 - 125	1	20
Nickel, Dissolved	0.18		1.00	1.14		mg/L		97	75 - 125	0	20
Selenium, Dissolved	0.016	J	1.00	1.02		mg/L		100	75 - 125	1	20
Silver, Dissolved	0.0040	U	0.500	0.457		mg/L		91	75 - 125	0	20
Zinc, Dissolved	0.11		1.00	1.01		mg/L		90	75 - 125	0	20

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 651714

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 650656

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron, Dissolved	0.86		1.00	1.75		mg/L		89	75 - 125	6	20

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 652066

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 650656

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron, Dissolved	0.15	U ^-	10.0	9.34	^-	mg/L		93	75 - 125	9	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 400-650104/14-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 650104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:46	11/15/23 08:17	1

Lab Sample ID: LCS 400-650104/15-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 650104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00100	0.00105		mg/L		105	80 - 120

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246471-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 400-650109/14-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 650109

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury, Dissolved	0.00015	U	0.00020	0.00015	mg/L		11/14/23 10:56	11/15/23 08:52	1

Lab Sample ID: LCS 400-650109/15-A

Matrix: Water

Analysis Batch: 650360

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 650109

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00100	0.00103		mg/L		103	80 - 120

Lab Sample ID: 400-246471-8 MS

Matrix: Water

Analysis Batch: 650360

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 650109

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury, Dissolved	0.00015	U	0.00200	0.00185		mg/L		93	80 - 120

Lab Sample ID: 400-246471-8 MSD

Matrix: Water

Analysis Batch: 650360

Client Sample ID: MW-19

Prep Type: Dissolved

Prep Batch: 650109

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury, Dissolved	0.00015	U	0.00200	0.00187		mg/L		94	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 400-650351/2

Matrix: Water

Analysis Batch: 650351

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			11/15/23 09:51	1

Lab Sample ID: LCS 400-650351/4

Matrix: Water

Analysis Batch: 650351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	106	101		mg/L		95	80 - 120

Lab Sample ID: MB 400-651202/1

Matrix: Water

Analysis Batch: 651202

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			11/20/23 14:39	1

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-246471-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCS 400-651202/3

Matrix: Water

Analysis Batch: 651202

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	106	102		mg/L		96	80 - 120

Lab Sample ID: MB 400-651562/1

Matrix: Water

Analysis Batch: 651562

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			11/22/23 13:36	1

Lab Sample ID: LCS 400-651562/3

Matrix: Water

Analysis Batch: 651562

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total	1060	969		mg/L		92	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 400-650540/1

Matrix: Water

Analysis Batch: 650540

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			11/16/23 07:46	1

Lab Sample ID: LCS 400-650540/2

Matrix: Water

Analysis Batch: 650540

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	286		mg/L		98	78 - 122

Lab Sample ID: 400-246471-8 DU

Matrix: Water

Analysis Batch: 650540

Client Sample ID: MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	14000		13700		mg/L		0	5

Eurofins Pensacola

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-246471-1

Login Number: 246471

List Source: Eurofins 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	2.8°C, 0.0°C, 0.0°C IR-8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	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	

Ver: 06/08/2021

[illegible]

Accreditation/Certification Summary

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

Job ID: 400-246471-1

Laboratory: Eurofins Pensacola

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

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

APPENDIX I

Soil Laboratory Analytical Reports





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 8/16/2023 4:27:34 PM

JOB DESCRIPTION

San Juan River Plant.RWIP
SDG NUMBER EPNG

JOB NUMBER

400-241286-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

Eurofins Pensacola

Job Notes

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

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

Authorization



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(850)471-6222

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

Laboratory Job ID: 400-241286-1
SDG: EPNG

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Case Narrative

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

Job ID: 400-241286-1
SDG: EPNG

Job ID: 400-241286-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-241286-1

Comments

No additional comments.

Receipt

The samples were received on 8/1/2023 8:52 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 2.3° C.

GC/MS VOA

Method 8260D: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW29 (28FT) (400-241286-2). Elevated reporting limits (RLs) are provided.

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

HPLC/IC

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

GC VOA

Method 8015C: The following samples were diluted because the base dilution for methanol preserved samples is 1:50: MW29 (25FT) (400-241286-1), MW29 (28FT) (400-241286-2) and MW29 (34FT) (400-241286-3).

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

GC Semi VOA

Method 8015C: Due to the high concentration of Diesel Range Organics [C10-C28], the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 400-635581 and analytical batch 400-635766 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Metals

Method 6010D: The method blank for preparation batch 400-636335 and analytical batch 400-636475 contained Chromium 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 7471B: The matrix spike (MS) recoveries for preparation batch 400-635883 and analytical batch 400-636137 were outside control limits. Non-homogeneity 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.

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.RWIP

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (25FT)

Lab Sample ID: 400-241286-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Gasoline Range Organics (GRO) C6--C10	27		6.8	3.4	mg/Kg	50		✖	8015C	Total/NA
Diesel Range Organics [C10-C28]	24		5.8	2.3	mg/Kg	1		✖	8015C	Total/NA
Chloride	12	J	23	2.6	mg/Kg	1		✖	300.0	Soluble
Aluminum	17000		12	5.7	mg/Kg	1		✖	6010D	Total/NA
Arsenic	6.0		1.2	0.68	mg/Kg	1		✖	6010D	Total/NA
Barium	70		1.2	0.20	mg/Kg	1		✖	6010D	Total/NA
Cadmium	0.58	J	0.60	0.10	mg/Kg	1		✖	6010D	Total/NA
Chromium	14	B	1.2	0.37	mg/Kg	1		✖	6010D	Total/NA
Cobalt	23		1.2	0.23	mg/Kg	1		✖	6010D	Total/NA
Iron	27000		12	8.6	mg/Kg	1		✖	6010D	Total/NA
Lead	19		1.2	0.26	mg/Kg	1		✖	6010D	Total/NA
Manganese	440		1.2	0.66	mg/Kg	1		✖	6010D	Total/NA
Molybdenum	2.0		1.2	0.35	mg/Kg	1		✖	6010D	Total/NA
Nickel	35		0.60	0.17	mg/Kg	1		✖	6010D	Total/NA
Mercury	0.049	F1	0.018	0.011	mg/Kg	1		✖	7471B	Total/NA

Client Sample ID: MW29 (28FT)

Lab Sample ID: 400-241286-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Ethylbenzene	0.54		0.33	0.041	mg/Kg	50		✖	8260D	Total/NA
Xylenes, Total	3.6		0.67	0.13	mg/Kg	50		✖	8260D	Total/NA
Gasoline Range Organics (GRO) C6--C10	840		67	33	mg/Kg	500		✖	8015C	Total/NA
Diesel Range Organics [C10-C28]	520		5.6	2.2	mg/Kg	1		✖	8015C	Total/NA
Chloride	3.1	J	22	2.6	mg/Kg	1		✖	300.0	Soluble
Aluminum	14000		11	5.2	mg/Kg	1		✖	6010D	Total/NA
Arsenic	3.5		1.1	0.61	mg/Kg	1		✖	6010D	Total/NA
Barium	110		1.1	0.18	mg/Kg	1		✖	6010D	Total/NA
Chromium	8.3	B	1.1	0.33	mg/Kg	1		✖	6010D	Total/NA
Cobalt	8.5		1.1	0.20	mg/Kg	1		✖	6010D	Total/NA
Iron	25000		11	7.7	mg/Kg	1		✖	6010D	Total/NA
Lead	9.8		1.1	0.24	mg/Kg	1		✖	6010D	Total/NA
Manganese	65		1.1	0.59	mg/Kg	1		✖	6010D	Total/NA
Molybdenum	1.1		1.1	0.31	mg/Kg	1		✖	6010D	Total/NA
Nickel	5.4		0.54	0.15	mg/Kg	1		✖	6010D	Total/NA
Mercury	0.027		0.018	0.011	mg/Kg	1		✖	7471B	Total/NA

Client Sample ID: MW29 (34FT)

Lab Sample ID: 400-241286-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Ethylbenzene	0.0020	J	0.0065	0.00079	mg/Kg	1		✖	8260D	Total/NA
Xylenes, Total	0.0096	J	0.013	0.0025	mg/Kg	1		✖	8260D	Total/NA
Gasoline Range Organics (GRO) C6--C10	340		6.6	3.3	mg/Kg	50		✖	8015C	Total/NA
Diesel Range Organics [C10-C28]	110		5.9	2.4	mg/Kg	1		✖	8015C	Total/NA
Chloride	6.6	J	24	2.7	mg/Kg	1		✖	300.0	Soluble
Aluminum	18000		12	5.9	mg/Kg	1		✖	6010D	Total/NA
Arsenic	2.9		1.2	0.70	mg/Kg	1		✖	6010D	Total/NA
Barium	210		1.2	0.21	mg/Kg	1		✖	6010D	Total/NA
Cadmium	0.11	J	0.61	0.11	mg/Kg	1		✖	6010D	Total/NA
Chromium	8.4	B	1.2	0.38	mg/Kg	1		✖	6010D	Total/NA
Cobalt	9.8		1.2	0.23	mg/Kg	1		✖	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Detection Summary

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (34FT) (Continued)

Lab Sample ID: 400-241286-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Iron	22000		12	8.8	mg/Kg	1		✱	6010D	Total/NA
Lead	14		1.2	0.27	mg/Kg	1		✱	6010D	Total/NA
Manganese	140		1.2	0.67	mg/Kg	1		✱	6010D	Total/NA
Molybdenum	0.59	J	1.2	0.35	mg/Kg	1		✱	6010D	Total/NA
Nickel	9.2		0.61	0.17	mg/Kg	1		✱	6010D	Total/NA
Mercury	0.027		0.018	0.011	mg/Kg	1		✱	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

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

Job ID: 400-241286-1
SDG: EPNG

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8015C	Gasoline Range Organics (GRO) (GC)	SW846	EET PEN
8015C	Diesel Range Organics (DRO) (GC)	EPA	EET PEN
300.0	Anions, Ion Chromatography	EPA	EET PEN
6010D	Metals (ICP)	SW846	EET PEN
7471B	Mercury (CVAA)	SW846	EET PEN
Moisture	Percent Moisture	EPA	EET PEN
3050B	Preparation, Metals	SW846	EET PEN
3546	Microwave Extraction	SW846	EET PEN
5035	Closed System Purge and Trap	SW846	EET PEN
7471B	Preparation, Mercury	SW846	EET PEN
DI Leach	Deionized Water Leaching Procedure	ASTM	EET PEN

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

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

Job ID: 400-241286-1
SDG: EPNG

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-241286-1	MW29 (25FT)	Solid	07/28/23 15:05	08/01/23 08:52
400-241286-2	MW29 (28FT)	Solid	07/28/23 16:30	08/01/23 08:52
400-241286-3	MW29 (34FT)	Solid	07/28/23 16:55	08/01/23 08:52

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Client Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (25FT)

Lab Sample ID: 400-241286-1

Date Collected: 07/28/23 15:05

Matrix: Solid

Date Received: 08/01/23 08:52

Percent Solids: 85.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00073	U	0.0055	0.00073	mg/Kg	✱	08/09/23 09:57	08/09/23 21:20	1
Ethylbenzene	0.00067	U	0.0055	0.00067	mg/Kg	✱	08/09/23 09:57	08/09/23 21:20	1
Toluene	0.0011	U	0.0055	0.0011	mg/Kg	✱	08/09/23 09:57	08/09/23 21:20	1
Xylenes, Total	0.0021	U	0.011	0.0021	mg/Kg	✱	08/09/23 09:57	08/09/23 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130	08/09/23 09:57	08/09/23 21:20	1
Dibromofluoromethane	107		77 - 127	08/09/23 09:57	08/09/23 21:20	1
Toluene-d8 (Surr)	102		76 - 127	08/09/23 09:57	08/09/23 21:20	1

Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6--C10	27		6.8	3.4	mg/Kg	✱	08/08/23 10:33	08/08/23 14:35	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	94		65 - 125	08/08/23 10:33	08/08/23 14:35	50

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	24		5.8	2.3	mg/Kg	✱	08/02/23 13:15	08/03/23 20:50	1
Oil Range Organics (C28-C35)	2.3	U	5.8	2.3	mg/Kg	✱	08/02/23 13:15	08/03/23 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	119		27 - 150	08/02/23 13:15	08/03/23 20:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12	J	23	2.6	mg/Kg	✱		08/11/23 18:14	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17000		12	5.7	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Arsenic	6.0		1.2	0.68	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Barium	70		1.2	0.20	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Boron	4.4	U	12	4.4	mg/Kg	✱	08/09/23 08:17	08/10/23 10:59	1
Cadmium	0.58	J	0.60	0.10	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Chromium	14	B	1.2	0.37	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Cobalt	23		1.2	0.23	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Iron	27000		12	8.6	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Lead	19		1.2	0.26	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Manganese	440		1.2	0.66	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Molybdenum	2.0		1.2	0.35	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Nickel	35		0.60	0.17	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1
Selenium	1.0	U	2.4	1.0	mg/Kg	✱	08/09/23 08:17	08/09/23 14:39	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	F1	0.018	0.011	mg/Kg	✱	08/04/23 10:36	08/07/23 13:39	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (25FT)
Date Collected: 07/28/23 15:05
Date Received: 08/01/23 08:52

Lab Sample ID: 400-241286-1
Matrix: Solid
Percent Solids: 85.0

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	85.0		0.01	0.01	%			08/04/23 12:18	1
Percent Moisture (EPA Moisture)	15.0		0.01	0.01	%			08/04/23 12:18	1

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Client Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (28FT)

Lab Sample ID: 400-241286-2

Date Collected: 07/28/23 16:30

Matrix: Solid

Date Received: 08/01/23 08:52

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.045	U	0.33	0.045	mg/Kg	✱	08/09/23 09:57	08/09/23 14:09	50
Ethylbenzene	0.54		0.33	0.041	mg/Kg	✱	08/09/23 09:57	08/09/23 14:09	50
Toluene	0.067	U	0.33	0.067	mg/Kg	✱	08/09/23 09:57	08/09/23 14:09	50
Xylenes, Total	3.6		0.67	0.13	mg/Kg	✱	08/09/23 09:57	08/09/23 14:09	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	103		67 - 130				08/09/23 09:57	08/09/23 14:09	50
Dibromofluoromethane	94		77 - 127				08/09/23 09:57	08/09/23 14:09	50
Toluene-d8 (Surr)	101		76 - 127				08/09/23 09:57	08/09/23 14:09	50

Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6--C10	840		67	33	mg/Kg	✱	08/08/23 10:33	08/08/23 19:00	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	102		65 - 125				08/08/23 10:33	08/08/23 19:00	500

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	520		5.6	2.2	mg/Kg	✱	08/02/23 13:15	08/03/23 21:08	1
Oil Range Organics (C28-C35)	2.2	U	5.6	2.2	mg/Kg	✱	08/02/23 13:15	08/03/23 21:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	107		27 - 150				08/02/23 13:15	08/03/23 21:08	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.1	J	22	2.6	mg/Kg	✱		08/11/23 18:34	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	14000		11	5.2	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Arsenic	3.5		1.1	0.61	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Barium	110		1.1	0.18	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Boron	4.0	U	11	4.0	mg/Kg	✱	08/09/23 08:17	08/10/23 11:02	1
Cadmium	0.095	U	0.54	0.095	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Chromium	8.3	B	1.1	0.33	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Cobalt	8.5		1.1	0.20	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Iron	25000		11	7.7	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Lead	9.8		1.1	0.24	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Manganese	65		1.1	0.59	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Molybdenum	1.1		1.1	0.31	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Nickel	5.4		0.54	0.15	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1
Selenium	0.94	U	2.2	0.94	mg/Kg	✱	08/09/23 08:17	08/09/23 14:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.011	mg/Kg	✱	08/04/23 10:36	08/07/23 13:44	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (28FT)
Date Collected: 07/28/23 16:30
Date Received: 08/01/23 08:52

Lab Sample ID: 400-241286-2
Matrix: Solid
Percent Solids: 86.7

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	86.7		0.01	0.01	%			08/04/23 12:18	1
Percent Moisture (EPA Moisture)	13.3		0.01	0.01	%			08/04/23 12:18	1

Client Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (34FT)

Lab Sample ID: 400-241286-3

Date Collected: 07/28/23 16:55

Matrix: Solid

Date Received: 08/01/23 08:52

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00087	U	0.0065	0.00087	mg/Kg	✧	08/09/23 09:57	08/09/23 21:47	1
Ethylbenzene	0.0020	J	0.0065	0.00079	mg/Kg	✧	08/09/23 09:57	08/09/23 21:47	1
Toluene	0.0013	U	0.0065	0.0013	mg/Kg	✧	08/09/23 09:57	08/09/23 21:47	1
Xylenes, Total	0.0096	J	0.013	0.0025	mg/Kg	✧	08/09/23 09:57	08/09/23 21:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	106		67 - 130				08/09/23 09:57	08/09/23 21:47	1
Dibromofluoromethane	104		77 - 127				08/09/23 09:57	08/09/23 21:47	1
Toluene-d8 (Surr)	99		76 - 127				08/09/23 09:57	08/09/23 21:47	1

Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6--C10	340		6.6	3.3	mg/Kg	✧	08/08/23 10:33	08/08/23 15:30	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	106		65 - 125				08/08/23 10:33	08/08/23 15:30	50

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	110		5.9	2.4	mg/Kg	✧	08/02/23 13:15	08/03/23 21:26	1
Oil Range Organics (C28-C35)	2.4	U	5.9	2.4	mg/Kg	✧	08/02/23 13:15	08/03/23 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	103		27 - 150				08/02/23 13:15	08/03/23 21:26	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.6	J	24	2.7	mg/Kg	✧		08/11/23 18:54	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	18000		12	5.9	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Arsenic	2.9		1.2	0.70	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Barium	210		1.2	0.21	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Boron	4.5	U	12	4.5	mg/Kg	✧	08/09/23 08:17	08/10/23 11:06	1
Cadmium	0.11	J	0.61	0.11	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Chromium	8.4	B	1.2	0.38	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Cobalt	9.8		1.2	0.23	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Iron	22000		12	8.8	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Lead	14		1.2	0.27	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Manganese	140		1.2	0.67	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Molybdenum	0.59	J	1.2	0.35	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Nickel	9.2		0.61	0.17	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1
Selenium	1.1	U	2.4	1.1	mg/Kg	✧	08/09/23 08:17	08/09/23 14:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.018	0.011	mg/Kg	✧	08/04/23 10:36	08/07/23 13:45	1

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Client Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (34FT)
Date Collected: 07/28/23 16:55
Date Received: 08/01/23 08:52

Lab Sample ID: 400-241286-3
Matrix: Solid
Percent Solids: 83.2

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	83.2		0.01	0.01	%			08/04/23 12:18	1
Percent Moisture (EPA Moisture)	16.8		0.01	0.01	%			08/04/23 12:18	1

Definitions/Glossary

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

Job ID: 400-241286-1
SDG: EPNG

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

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

GC Semi VOA

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

Glossary

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

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Definitions/Glossary

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

Job ID: 400-241286-1
SDG: EPNG

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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

Surrogate Summary

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

Job ID: 400-241286-1
SDG: EPNG

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (67-130)	DBFM (77-127)	TOL (76-127)
400-241286-1	MW29 (25FT)	105	107	102
400-241286-2	MW29 (28FT)	103	94	101
400-241286-3	MW29 (34FT)	106	104	99
LCS 400-636429/2-A	Lab Control Sample	105	101	103
MB 400-636429/1-A	Method Blank	105	104	103

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TFT-F2 (65-125)
400-241286-1	MW29 (25FT)	94
400-241286-2	MW29 (28FT)	102
400-241286-3	MW29 (34FT)	106
LCS 400-636425/1-A	Lab Control Sample	96
MB 400-636425/2-A	Method Blank	95

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH1 (27-150)
400-241286-1	MW29 (25FT)	119
400-241286-2	MW29 (28FT)	107
400-241286-3	MW29 (34FT)	103
LCS 400-635581/2-A	Lab Control Sample	113
MB 400-635581/1-A	Method Blank	110

Surrogate Legend

OTPH = o-Terphenyl (Surr)

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Lab Chronicle

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (25FT)**Lab Sample ID: 400-241286-1****Date Collected: 07/28/23 15:05****Matrix: Solid****Date Received: 08/01/23 08:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			635894	08/04/23 12:18	MP	EET PEN

Client Sample ID: MW29 (25FT)**Lab Sample ID: 400-241286-1****Date Collected: 07/28/23 15:05****Matrix: Solid****Date Received: 08/01/23 08:52****Percent Solids: 85.0**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.39 g	5.00 g	636429	08/09/23 09:57	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	636383	08/09/23 21:20	CAR	EET PEN
Total/NA	Prep	5035			4.94 g	5.00 g	636425	08/08/23 10:33	BJ	EET PEN
Total/NA	Analysis	8015C		50	5 mL	5 mL	636233	08/08/23 14:35	BJ	EET PEN
Total/NA	Prep	3546			15.18 g	1 mL	635581	08/02/23 13:15	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	635766	08/03/23 20:50	MP	EET PEN
Soluble	Leach	DI Leach			2.558 g	50 mL	635533	08/02/23 10:35	RS	EET PEN
Soluble	Analysis	300.0		1	10 mL	10 mL	637192	08/11/23 18:14	LHB	EET PEN
Total/NA	Prep	3050B			0.493 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
							Completed:	08/09/23 11:34 ¹		
Total/NA	Analysis	6010D		1			636475	08/09/23 14:39	BAW	EET PEN
Total/NA	Prep	3050B			0.493 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
							Completed:	08/09/23 11:34 ¹		
Total/NA	Analysis	6010D		1			636621	08/10/23 10:59	BAW	EET PEN
Total/NA	Prep	7471B			0.5229 g	40 mL	635883	08/04/23 10:36	NET	EET PEN
							Completed:	08/04/23 13:25 ¹		
Total/NA	Analysis	7471B		1			636137	08/07/23 13:39	NET	EET PEN

Client Sample ID: MW29 (28FT)**Lab Sample ID: 400-241286-2****Date Collected: 07/28/23 16:30****Matrix: Solid****Date Received: 08/01/23 08:52**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			635894	08/04/23 12:18	MP	EET PEN

Client Sample ID: MW29 (28FT)**Lab Sample ID: 400-241286-2****Date Collected: 07/28/23 16:30****Matrix: Solid****Date Received: 08/01/23 08:52****Percent Solids: 86.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.88 g	5.00 g	636429	08/09/23 09:57	CAR	EET PEN
Total/NA	Analysis	8260D		50	5 mL	5 mL	636383	08/09/23 14:09	CAR	EET PEN
Total/NA	Prep	5035			4.88 g	5.00 g	636425	08/08/23 10:33	BJ	EET PEN
Total/NA	Analysis	8015C		500	5 mL	5 mL	636233	08/08/23 19:00	BJ	EET PEN
Total/NA	Prep	3546			15.43 g	1 mL	635581	08/02/23 13:15	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	635766	08/03/23 21:08	MP	EET PEN
Soluble	Leach	DI Leach			2.589 g	50 mL	635533	08/02/23 10:35	RS	EET PEN
Soluble	Analysis	300.0		1	10 mL	10 mL	637192	08/11/23 18:34	LHB	EET PEN

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Lab Chronicle

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (28FT)

Lab Sample ID: 400-241286-2

Date Collected: 07/28/23 16:30

Matrix: Solid

Date Received: 08/01/23 08:52

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.536 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
Total/NA	Analysis	6010D		1			636475	08/09/23 14:42	BAW	EET PEN
Total/NA	Prep	3050B			0.536 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
							Completed:	08/09/23 11:34 ¹		
Total/NA	Analysis	6010D		1			636621	08/10/23 11:02	BAW	EET PEN
Total/NA	Prep	7471B			0.5061 g	40 mL	635883	08/04/23 10:36	NET	EET PEN
							Completed:	08/04/23 13:25 ¹		
Total/NA	Analysis	7471B		1			636137	08/07/23 13:44	NET	EET PEN

Client Sample ID: MW29 (34FT)

Lab Sample ID: 400-241286-3

Date Collected: 07/28/23 16:55

Matrix: Solid

Date Received: 08/01/23 08:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			635894	08/04/23 12:18	MP	EET PEN

Client Sample ID: MW29 (34FT)

Lab Sample ID: 400-241286-3

Date Collected: 07/28/23 16:55

Matrix: Solid

Date Received: 08/01/23 08:52

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.64 g	5.00 g	636429	08/09/23 09:57	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	636383	08/09/23 21:47	CAR	EET PEN
Total/NA	Prep	5035			5.38 g	5.00 g	636425	08/08/23 10:33	BJ	EET PEN
Total/NA	Analysis	8015C		50	5 mL	5 mL	636233	08/08/23 15:30	BJ	EET PEN
Total/NA	Prep	3546			15.28 g	1 mL	635581	08/02/23 13:15	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	635766	08/03/23 21:26	MP	EET PEN
Soluble	Leach	DI Leach			2.527 g	50 mL	635533	08/02/23 10:35	RS	EET PEN
Soluble	Analysis	300.0		1	10 mL	10 mL	637192	08/11/23 18:54	LHB	EET PEN
Total/NA	Prep	3050B			0.493 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
							Completed:	08/09/23 11:34 ¹		
Total/NA	Analysis	6010D		1			636475	08/09/23 14:45	BAW	EET PEN
Total/NA	Prep	3050B			0.493 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
							Completed:	08/09/23 11:34 ¹		
Total/NA	Analysis	6010D		1			636621	08/10/23 11:06	BAW	EET PEN
Total/NA	Prep	7471B			0.5481 g	40 mL	635883	08/04/23 10:36	NET	EET PEN
							Completed:	08/04/23 13:25 ¹		
Total/NA	Analysis	7471B		1			636137	08/07/23 13:45	NET	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-635533/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.527 g	50 mL	635533	08/02/23 10:34	RS	EET PEN
Soluble	Analysis	300.0		1	10 mL	10 mL	635617	08/02/23 16:31	RS	EET PEN

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Lab Chronicle

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: Method Blank

Lab Sample ID: MB 400-635581/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	635581	08/02/23 13:15	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	635766	08/03/23 19:02	MP	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-635883/14-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	7471B			0.6003 g	40 mL	635883	08/04/23 10:36	NET	EET PEN
							Completed:	08/04/23 13:25 ¹		
Total/NA	Analysis	7471B		1			636137	08/07/23 13:35	NET	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-636335/1-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	3050B			0.504 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
							Completed:	08/09/23 11:34 ¹		
Total/NA	Analysis	6010D		1			636475	08/09/23 12:51	BAW	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-636425/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	636425	08/08/23 10:33	BJ	EET PEN
Total/NA	Analysis	8015C		1	5 mL	5 mL	636233	08/08/23 12:04	BJ	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-636429/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	636429	08/09/23 09:57	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	636383	08/09/23 11:14	CAR	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-635533/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.590 g	50.75 mL	635533	08/02/23 10:34	RS	EET PEN
Soluble	Analysis	300.0		1	10 mL	10 mL	635617	08/02/23 16:51	RS	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-635581/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	635581	08/02/23 13:15	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	635766	08/03/23 19:38	MP	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-635883/15-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	7471B			0.6008 g	40 mL	635883	08/04/23 10:36	NET	EET PEN
							Completed:	08/04/23 13:25 ¹		
Total/NA	Analysis	7471B		1			636137	08/07/23 13:36	NET	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-636335/2-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	3050B			0.501 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
							Completed:	08/09/23 11:34 ¹		
Total/NA	Analysis	6010D		1			636475	08/09/23 12:54	BAW	EET PEN
Total/NA	Prep	3050B			0.501 g	50 mL	636335	08/09/23 08:17	BAW	EET PEN
							Completed:	08/09/23 11:34 ¹		
Total/NA	Analysis	6010D		1			636621	08/10/23 10:56	BAW	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-636425/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	636425	08/08/23 10:33	BJ	EET PEN
Total/NA	Analysis	8015C		1	5 mL	5 mL	636233	08/08/23 11:37	BJ	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-636429/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	636429	08/09/23 09:57	CAR	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	636383	08/09/23 10:35	CAR	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-635533/3-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.512 g	50.75 mL	635533	08/02/23 10:34	RS	EET PEN
Soluble	Analysis	300.0		1	10 mL	10 mL	635617	08/02/23 17:11	RS	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-241286-1
SDG: EPNG

Client Sample ID: MW29 (25FT)
Date Collected: 07/28/23 15:05
Date Received: 08/01/23 08:52

Lab Sample ID: 400-241286-1 MS
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.5238 g	40 mL	635883	08/04/23 10:36	NET	EET PEN
							Completed:	08/04/23 13:25 ¹		
Total/NA	Analysis	7471B		1			636137	08/07/23 13:41	NET	EET PEN

Client Sample ID: MW29 (25FT)
Date Collected: 07/28/23 15:05
Date Received: 08/01/23 08:52

Lab Sample ID: 400-241286-1 MSD
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.5461 g	40 mL	635883	08/04/23 10:36	NET	EET PEN
							Completed:	08/04/23 13:25 ¹		
Total/NA	Analysis	7471B		1			636137	08/07/23 13:43	NET	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

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

QC Association Summary

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

Job ID: 400-241286-1
SDG: EPNG

GC/MS VOA

Analysis Batch: 636383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	8260D	636429
400-241286-2	MW29 (28FT)	Total/NA	Solid	8260D	636429
400-241286-3	MW29 (34FT)	Total/NA	Solid	8260D	636429
MB 400-636429/1-A	Method Blank	Total/NA	Solid	8260D	636429
LCS 400-636429/2-A	Lab Control Sample	Total/NA	Solid	8260D	636429

Prep Batch: 636429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	5035	
400-241286-2	MW29 (28FT)	Total/NA	Solid	5035	
400-241286-3	MW29 (34FT)	Total/NA	Solid	5035	
MB 400-636429/1-A	Method Blank	Total/NA	Solid	5035	
LCS 400-636429/2-A	Lab Control Sample	Total/NA	Solid	5035	

GC VOA

Analysis Batch: 636233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	8015C	636425
400-241286-2	MW29 (28FT)	Total/NA	Solid	8015C	636425
400-241286-3	MW29 (34FT)	Total/NA	Solid	8015C	636425
MB 400-636425/1-A	Method Blank	Total/NA	Solid	8015C	636425
LCS 400-636425/2-A	Lab Control Sample	Total/NA	Solid	8015C	636425

Prep Batch: 636425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	5035	
400-241286-2	MW29 (28FT)	Total/NA	Solid	5035	
400-241286-3	MW29 (34FT)	Total/NA	Solid	5035	
MB 400-636425/1-A	Method Blank	Total/NA	Solid	5035	
LCS 400-636425/2-A	Lab Control Sample	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 635581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	3546	
400-241286-2	MW29 (28FT)	Total/NA	Solid	3546	
400-241286-3	MW29 (34FT)	Total/NA	Solid	3546	
MB 400-635581/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-635581/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 635766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	8015C	635581
400-241286-2	MW29 (28FT)	Total/NA	Solid	8015C	635581
400-241286-3	MW29 (34FT)	Total/NA	Solid	8015C	635581
MB 400-635581/1-A	Method Blank	Total/NA	Solid	8015C	635581
LCS 400-635581/2-A	Lab Control Sample	Total/NA	Solid	8015C	635581

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-241286-1
SDG: EPNG

HPLC/IC

Leach Batch: 635533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Soluble	Solid	DI Leach	
400-241286-2	MW29 (28FT)	Soluble	Solid	DI Leach	
400-241286-3	MW29 (34FT)	Soluble	Solid	DI Leach	
MB 400-635533/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-635533/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-635533/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 635617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-635533/1-A	Method Blank	Soluble	Solid	300.0	635533
LCS 400-635533/2-A	Lab Control Sample	Soluble	Solid	300.0	635533
LCSD 400-635533/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	635533

Analysis Batch: 637192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Soluble	Solid	300.0	635533
400-241286-2	MW29 (28FT)	Soluble	Solid	300.0	635533
400-241286-3	MW29 (34FT)	Soluble	Solid	300.0	635533

Metals

Prep Batch: 635883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	7471B	
400-241286-2	MW29 (28FT)	Total/NA	Solid	7471B	
400-241286-3	MW29 (34FT)	Total/NA	Solid	7471B	
MB 400-635883/14-A	Method Blank	Total/NA	Solid	7471B	
LCS 400-635883/15-A	Lab Control Sample	Total/NA	Solid	7471B	
400-241286-1 MS	MW29 (25FT)	Total/NA	Solid	7471B	
400-241286-1 MSD	MW29 (25FT)	Total/NA	Solid	7471B	

Analysis Batch: 636137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	7471B	635883
400-241286-2	MW29 (28FT)	Total/NA	Solid	7471B	635883
400-241286-3	MW29 (34FT)	Total/NA	Solid	7471B	635883
MB 400-635883/14-A	Method Blank	Total/NA	Solid	7471B	635883
LCS 400-635883/15-A	Lab Control Sample	Total/NA	Solid	7471B	635883
400-241286-1 MS	MW29 (25FT)	Total/NA	Solid	7471B	635883
400-241286-1 MSD	MW29 (25FT)	Total/NA	Solid	7471B	635883

Prep Batch: 636335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	3050B	
400-241286-2	MW29 (28FT)	Total/NA	Solid	3050B	
400-241286-3	MW29 (34FT)	Total/NA	Solid	3050B	
MB 400-636335/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 400-636335/2-A	Lab Control Sample	Total/NA	Solid	3050B	

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QC Association Summary

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

Job ID: 400-241286-1
SDG: EPNG

Metals

Analysis Batch: 636475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	6010D	636335
400-241286-2	MW29 (28FT)	Total/NA	Solid	6010D	636335
400-241286-3	MW29 (34FT)	Total/NA	Solid	6010D	636335
MB 400-636335/1-A	Method Blank	Total/NA	Solid	6010D	636335
LCS 400-636335/2-A	Lab Control Sample	Total/NA	Solid	6010D	636335

Analysis Batch: 636621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	6010D	636335
400-241286-2	MW29 (28FT)	Total/NA	Solid	6010D	636335
400-241286-3	MW29 (34FT)	Total/NA	Solid	6010D	636335
LCS 400-636335/2-A	Lab Control Sample	Total/NA	Solid	6010D	636335

General Chemistry

Analysis Batch: 635894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-241286-1	MW29 (25FT)	Total/NA	Solid	Moisture	
400-241286-2	MW29 (28FT)	Total/NA	Solid	Moisture	
400-241286-3	MW29 (34FT)	Total/NA	Solid	Moisture	

QC Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

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

Lab Sample ID: MB 400-636429/1-A

Matrix: Solid

Analysis Batch: 636383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636429

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00067	U	0.0050	0.00067	mg/Kg		08/09/23 09:57	08/09/23 11:14	1
Ethylbenzene	0.00061	U	0.0050	0.00061	mg/Kg		08/09/23 09:57	08/09/23 11:14	1
Toluene	0.0010	U	0.0050	0.0010	mg/Kg		08/09/23 09:57	08/09/23 11:14	1
Xylenes, Total	0.0019	U	0.010	0.0019	mg/Kg		08/09/23 09:57	08/09/23 11:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	105		67 - 130	08/09/23 09:57	08/09/23 11:14	1
Dibromofluoromethane	104		77 - 127	08/09/23 09:57	08/09/23 11:14	1
Toluene-d8 (Surr)	103		76 - 127	08/09/23 09:57	08/09/23 11:14	1

Lab Sample ID: LCS 400-636429/2-A

Matrix: Solid

Analysis Batch: 636383

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636429

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0480		mg/Kg		96	65 - 130
Ethylbenzene	0.0500	0.0501		mg/Kg		100	70 - 130
Toluene	0.0500	0.0497		mg/Kg		99	70 - 130
Xylenes, Total	0.100	0.0993		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.0500	0.0499		mg/Kg		100	70 - 130
o-Xylene	0.0500	0.0495		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	105		67 - 130
Dibromofluoromethane	101		77 - 127
Toluene-d8 (Surr)	103		76 - 127

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

Lab Sample ID: MB 400-636425/2-A

Matrix: Solid

Analysis Batch: 636233

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6--C10	0.050	U	0.10	0.050	mg/Kg		08/08/23 10:33	08/08/23 12:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	95		65 - 125	08/08/23 10:33	08/08/23 12:04	1

Lab Sample ID: LCS 400-636425/1-A

Matrix: Solid

Analysis Batch: 636233

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO) C6--C10	1.00	0.929		mg/Kg		93	62 - 141

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QC Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

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

Lab Sample ID: LCS 400-636425/1-A
Matrix: Solid
Analysis Batch: 636233

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 636425

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
a,a,a-Trifluorotoluene (fid)	96		65 - 125

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

Lab Sample ID: MB 400-635581/1-A
Matrix: Solid
Analysis Batch: 635766

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 635581

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.0	U	5.0	2.0	mg/Kg		08/02/23 13:15	08/03/23 19:02	1
Oil Range Organics (C28-C35)	2.0	U	5.0	2.0	mg/Kg		08/02/23 13:15	08/03/23 19:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	110		27 - 150				08/02/23 13:15	08/03/23 19:02	1

Lab Sample ID: LCS 400-635581/2-A
Matrix: Solid
Analysis Batch: 635766

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635581

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	268	228		mg/Kg		85	38 - 116
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl (Surr)	113		27 - 150				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-635533/1-A
Matrix: Solid
Analysis Batch: 635617

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.3	U	20	2.3	mg/Kg			08/02/23 16:31	1

Lab Sample ID: LCS 400-635533/2-A
Matrix: Solid
Analysis Batch: 635617

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	96.5	106		mg/Kg		110	80 - 120

Lab Sample ID: LCSD 400-635533/3-A
Matrix: Solid
Analysis Batch: 635617

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	99.5	110		mg/Kg		110	80 - 120	4	15

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QC Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-636335/1-A

Matrix: Solid

Analysis Batch: 636475

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 636335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4.8	U	9.9	4.8	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Arsenic	0.57	U	0.99	0.57	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Barium	0.17	U	0.99	0.17	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Boron	3.7	U	9.9	3.7	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Cadmium	0.087	U	0.50	0.087	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Chromium	0.493	J	0.99	0.31	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Cobalt	0.19	U	0.99	0.19	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Iron	7.1	U	9.9	7.1	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Lead	0.22	U	0.99	0.22	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Manganese	0.55	U	0.99	0.55	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Molybdenum	0.29	U	0.99	0.29	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Nickel	0.14	U	0.50	0.14	mg/Kg		08/09/23 08:17	08/09/23 12:51	1
Selenium	0.86	U	2.0	0.86	mg/Kg		08/09/23 08:17	08/09/23 12:51	1

Lab Sample ID: LCS 400-636335/2-A

Matrix: Solid

Analysis Batch: 636475

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	999	883		mg/Kg		88	80 - 120
Arsenic	99.8	94.2		mg/Kg		94	80 - 120
Barium	99.8	93.7		mg/Kg		94	80 - 120
Cadmium	49.9	48.1		mg/Kg		96	80 - 120
Chromium	99.8	95.8		mg/Kg		96	80 - 120
Cobalt	99.8	93.6		mg/Kg		94	80 - 120
Iron	999	952		mg/Kg		95	80 - 120
Lead	99.8	90.1		mg/Kg		90	80 - 120
Manganese	99.8	92.3		mg/Kg		93	80 - 120
Molybdenum	99.8	105		mg/Kg		105	80 - 120
Nickel	99.8	91.1		mg/Kg		91	80 - 120
Selenium	99.8	90.2		mg/Kg		90	80 - 120

Lab Sample ID: LCS 400-636335/2-A

Matrix: Solid

Analysis Batch: 636621

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 636335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	99.8	84.1		mg/Kg		84	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 400-635883/14-A

Matrix: Solid

Analysis Batch: 636137

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 635883

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.013	0.0080	mg/Kg		08/04/23 10:36	08/07/23 13:35	1

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-241286-1
SDG: EPNG

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

Lab Sample ID: LCS 400-635883/15-A
Matrix: Solid
Analysis Batch: 636137

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 635883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.0670	0.0593		mg/Kg		88	80 - 120

Lab Sample ID: 400-241286-1 MS
Matrix: Solid
Analysis Batch: 636137

Client Sample ID: MW29 (25FT)
Prep Type: Total/NA
Prep Batch: 635883

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.049	F1	0.181	0.191	F1	mg/Kg	✧	79	80 - 120

Lab Sample ID: 400-241286-1 MSD
Matrix: Solid
Analysis Batch: 636137

Client Sample ID: MW29 (25FT)
Prep Type: Total/NA
Prep Batch: 635883

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.049	F1	0.173	0.193		mg/Kg	✧	83	80 - 120	1	20

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-241286-1

SDG Number: EPNG

Login Number: 241286

List Number: 1

Creator: Roberts, Alexis J

List Source: Eurofins Pensacola

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	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	2.3°C IR8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

[illegible]

Accreditation/Certification Summary

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

Job ID: 400-241286-1
SDG: EPNG

Laboratory: Eurofins Pensacola

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

Authority	Program	Identification Number	Expiration Date
Alabama	State	40150	06-30-24
ANAB	ISO/IEC 17025	L2471	02-22-26
Arkansas DEQ	State	88-00689	09-01-23
California	State	2510	06-30-24
Florida	NELAP	E81010	06-30-24
Georgia	State	E81010(FL)	06-30-24
Illinois	NELAP	200041	10-09-23
Kansas	NELAP	E-10253	10-31-23
Kentucky (UST)	State	53	06-30-24
Louisiana (All)	NELAP	30976	06-30-24
Louisiana (DW)	State	LA017	12-31-23
Maryland	State	233	09-30-23
North Carolina (WW/SW)	State	314	12-31-23
Oklahoma	NELAP	9810	08-31-23
Pennsylvania	NELAP	68-00467	01-31-24
South Carolina	State	96026	06-30-24
Tennessee	State	TN02907	06-30-24
Texas	NELAP	T104704286	09-30-23
US Fish & Wildlife	US Federal Programs	A22340	06-30-24
USDA	US Federal Programs	P330-21-00056	05-17-24
USDA	US Federal Programs	FLGNV23001	01-08-26
Virginia	NELAP	460166	06-14-24
West Virginia DEP	State	136	03-31-24



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 11/3/2023 8:58:24 AM

JOB DESCRIPTION

San Juan River Plant RWIP

JOB NUMBER

400-245462-1

Eurofins Pensacola
3355 McLemore Drive
Pensacola FL 32514

See page two for job notes and contact information.
Released to Imaging: 6/28/2024 10:50:02 AM



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Job Notes

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

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

Authorization



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

Laboratory Job ID: 400-245462-1

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Case Narrative

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

Job ID: 400-245462-1

Job ID: 400-245462-1

Laboratory: Eurofins Pensacola

Narrative

Job Narrative 400-245462-1

Receipt

The samples were received on 10/21/2023 7:57 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7° C.

GC/MS VOA

Method 8260D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 400-648044 and analytical batch 400-647968 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

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

GC VOA

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

GC Semi VOA

Method 8015C: Due to the high concentration of Diesel Range Organics [C10-C28], the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 400-647107 and analytical batch 400-647908 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

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

Metals

Method 6010D: The method blank for preparation batch 400-647096 and analytical batch 400-647622 contained Chromium, Molybdenum and Nickel above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

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 RWIP

Job ID: 400-245462-1

Client Sample ID: MW-30 16'

Lab Sample ID: 400-245462-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.0018	J	0.0063	0.0013	mg/Kg	1	✖	8260D	Total/NA
Diesel Range Organics [C10-C28]	8.5		6.3	2.5	mg/Kg	1	✖	8015C	Total/NA
Oil Range Organics (C28-C35)	22		6.3	2.5	mg/Kg	1	✖	8015C	Total/NA
Chloride	15	J	25	2.9	mg/Kg	1	✖	300.0	Soluble
Aluminum	8800		12	6.0	mg/Kg	1	✖	6010D	Total/NA
Arsenic	4.0		1.2	0.71	mg/Kg	1	✖	6010D	Total/NA
Barium	170		1.2	0.21	mg/Kg	1	✖	6010D	Total/NA
Chromium	9.3	B	1.2	0.39	mg/Kg	1	✖	6010D	Total/NA
Cobalt	4.3		1.2	0.24	mg/Kg	1	✖	6010D	Total/NA
Iron	13000		12	8.9	mg/Kg	1	✖	6010D	Total/NA
Lead	8.6		1.2	0.27	mg/Kg	1	✖	6010D	Total/NA
Manganese	280		1.2	0.68	mg/Kg	1	✖	6010D	Total/NA
Nickel	6.0	B	0.62	0.17	mg/Kg	1	✖	6010D	Total/NA

Client Sample ID: MW-30 26'

Lab Sample ID: 400-245462-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.1	J	5.3	2.1	mg/Kg	1	✖	8015C	Total/NA
Oil Range Organics (C28-C35)	5.6		5.3	2.1	mg/Kg	1	✖	8015C	Total/NA
Chloride	20	J	21	2.4	mg/Kg	1	✖	300.0	Soluble
Aluminum	5400		10	4.9	mg/Kg	1	✖	6010D	Total/NA
Arsenic	2.3		1.0	0.58	mg/Kg	1	✖	6010D	Total/NA
Barium	470		1.0	0.17	mg/Kg	1	✖	6010D	Total/NA
Chromium	9.1	B	1.0	0.32	mg/Kg	1	✖	6010D	Total/NA
Cobalt	4.6		1.0	0.19	mg/Kg	1	✖	6010D	Total/NA
Iron	12000		10	7.4	mg/Kg	1	✖	6010D	Total/NA
Lead	3.7		1.0	0.22	mg/Kg	1	✖	6010D	Total/NA
Manganese	320		1.0	0.56	mg/Kg	1	✖	6010D	Total/NA
Molybdenum	1.4	B	1.0	0.30	mg/Kg	1	✖	6010D	Total/NA
Nickel	4.3	B	0.51	0.14	mg/Kg	1	✖	6010D	Total/NA

Client Sample ID: MW-30 44'

Lab Sample ID: 400-245462-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	41		23	2.6	mg/Kg	1	✖	300.0	Soluble
Aluminum	25000		11	5.5	mg/Kg	1	✖	6010D	Total/NA
Arsenic	4.2		1.1	0.65	mg/Kg	1	✖	6010D	Total/NA
Barium	34		1.1	0.19	mg/Kg	1	✖	6010D	Total/NA
Chromium	11	B	1.1	0.35	mg/Kg	1	✖	6010D	Total/NA
Cobalt	20		1.1	0.22	mg/Kg	1	✖	6010D	Total/NA
Iron	24000		11	8.2	mg/Kg	1	✖	6010D	Total/NA
Lead	18		1.1	0.25	mg/Kg	1	✖	6010D	Total/NA
Manganese	190		1.1	0.63	mg/Kg	1	✖	6010D	Total/NA
Nickel	14	B	0.57	0.16	mg/Kg	1	✖	6010D	Total/NA
Mercury	0.036		0.018	0.011	mg/Kg	1	✖	7471B	Total/NA

Client Sample ID: MW-30 59'

Lab Sample ID: 400-245462-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	34		5.6	2.2	mg/Kg	1	✖	8015C	Total/NA
Oil Range Organics (C28-C35)	31		5.6	2.2	mg/Kg	1	✖	8015C	Total/NA
Chloride	40		22	2.5	mg/Kg	1	✖	300.0	Soluble

This Detection Summary does not include radiochemical test results.

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Detection Summary

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

Job ID: 400-245462-1

Client Sample ID: MW-30 59' (Continued)

Lab Sample ID: 400-245462-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Aluminum	24000		11	5.2	mg/Kg	1		✱	6010D	Total/NA
Arsenic	4.9		1.1	0.62	mg/Kg	1		✱	6010D	Total/NA
Barium	66		1.1	0.18	mg/Kg	1		✱	6010D	Total/NA
Boron	8.3	J	11	8.2	mg/Kg	1		✱	6010D	Total/NA
Cadmium	0.28	J	0.54	0.22	mg/Kg	1		✱	6010D	Total/NA
Chromium	10	B	1.1	0.33	mg/Kg	1		✱	6010D	Total/NA
Cobalt	11		1.1	0.21	mg/Kg	1		✱	6010D	Total/NA
Iron	23000		11	7.8	mg/Kg	1		✱	6010D	Total/NA
Lead	17		1.1	0.24	mg/Kg	1		✱	6010D	Total/NA
Manganese	160		1.1	0.59	mg/Kg	1		✱	6010D	Total/NA
Nickel	12	B	0.54	0.15	mg/Kg	1		✱	6010D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Pensacola

Method Summary

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

Job ID: 400-245462-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET PEN
8015C	Gasoline Range Organics (GRO) (GC)	SW846	EET PEN
8015C	Diesel Range Organics (DRO) (GC)	EPA	EET PEN
300.0	Anions, Ion Chromatography	EPA	EET PEN
6010D	Metals (ICP)	SW846	EET PEN
7471B	Mercury (CVAA)	SW846	EET PEN
Moisture	Percent Moisture	EPA	EET PEN
3050B	Preparation, Metals	SW846	EET PEN
3546	Microwave Extraction	SW846	EET PEN
5035	Closed System Purge and Trap	SW846	EET PEN
7471B	Preparation, Mercury	SW846	EET PEN
DI Leach	Deionized Water Leaching Procedure	ASTM	EET PEN

Protocol References:
ASTM = ASTM International
EPA = US Environmental Protection Agency
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

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

Sample Summary

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

Job ID: 400-245462-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-245462-1	MW-30 16'	Solid	10/19/23 11:32	10/21/23 07:57
400-245462-2	MW-30 26'	Solid	10/19/23 11:59	10/21/23 07:57
400-245462-3	MW-30 44'	Solid	10/19/23 12:38	10/21/23 07:57
400-245462-4	MW-30 59'	Solid	10/19/23 13:24	10/21/23 07:57

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Client Sample Results

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

Job ID: 400-245462-1

Client Sample ID: MW-30 16'

Lab Sample ID: 400-245462-1

Date Collected: 10/19/23 11:32

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 76.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00085	U	0.0063	0.00085	mg/Kg	✱	10/30/23 11:05	10/30/23 13:06	1
Toluene	0.0018	J	0.0063	0.0013	mg/Kg	✱	10/30/23 11:05	10/30/23 13:06	1
Ethylbenzene	0.00077	U	0.0063	0.00077	mg/Kg	✱	10/30/23 11:05	10/30/23 13:06	1
Xylenes, Total	0.0024	U	0.013	0.0024	mg/Kg	✱	10/30/23 11:05	10/30/23 13:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		67 - 130				10/30/23 11:05	10/30/23 13:06	1
Dibromofluoromethane	116		77 - 127				10/30/23 11:05	10/30/23 13:06	1
Toluene-d8 (Surr)	96		76 - 127				10/30/23 11:05	10/30/23 13:06	1

Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6--C10	0.060	U	0.12	0.060	mg/Kg	✱	10/27/23 10:32	10/27/23 14:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125				10/27/23 10:32	10/27/23 14:07	1

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	8.5		6.3	2.5	mg/Kg	✱	10/25/23 11:29	10/31/23 12:32	1
Oil Range Organics (C28-C35)	22		6.3	2.5	mg/Kg	✱	10/25/23 11:29	10/31/23 12:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	111		27 - 150				10/25/23 11:29	10/31/23 12:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15	J	25	2.9	mg/Kg	✱		10/25/23 09:46	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8800		12	6.0	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Arsenic	4.0		1.2	0.71	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Barium	170		1.2	0.21	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Boron	9.4	U	12	9.4	mg/Kg	✱	10/25/23 11:23	11/01/23 11:59	1
Cadmium	0.25	U	0.62	0.25	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Chromium	9.3	B	1.2	0.39	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Cobalt	4.3		1.2	0.24	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Iron	13000		12	8.9	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Lead	8.6		1.2	0.27	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Manganese	280		1.2	0.68	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Molybdenum	0.36	U	1.2	0.36	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Nickel	6.0	B	0.62	0.17	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1
Selenium	1.1	U	2.5	1.1	mg/Kg	✱	10/25/23 11:23	10/27/23 16:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.012	U	0.020	0.012	mg/Kg	✱	10/27/23 07:38	10/31/23 10:37	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-245462-1

Client Sample ID: MW-30 16'
Date Collected: 10/19/23 11:32
Date Received: 10/21/23 07:57

Lab Sample ID: 400-245462-1
Matrix: Solid
Percent Solids: 76.5

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	76.5		0.01	0.01	%			10/28/23 07:58	1
Percent Moisture (EPA Moisture)	23.5		0.01	0.01	%			10/28/23 07:58	1

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Client Sample Results

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

Job ID: 400-245462-1

Client Sample ID: MW-30 26'

Lab Sample ID: 400-245462-2

Date Collected: 10/19/23 11:59

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 93.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00071	U	0.0053	0.00071	mg/Kg	✱	10/30/23 11:05	10/30/23 16:55	1
Toluene	0.0011	U	0.0053	0.0011	mg/Kg	✱	10/30/23 11:05	10/30/23 16:55	1
Ethylbenzene	0.00065	U	0.0053	0.00065	mg/Kg	✱	10/30/23 11:05	10/30/23 16:55	1
Xylenes, Total	0.0020	U	0.011	0.0020	mg/Kg	✱	10/30/23 11:05	10/30/23 16:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		67 - 130	10/30/23 11:05	10/30/23 16:55	1
Dibromofluoromethane	115		77 - 127	10/30/23 11:05	10/30/23 16:55	1
Toluene-d8 (Surr)	96		76 - 127	10/30/23 11:05	10/30/23 16:55	1

Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6--C10	0.052	U	0.10	0.052	mg/Kg	✱	10/27/23 10:32	10/27/23 14:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	93		65 - 125	10/27/23 10:32	10/27/23 14:33	1

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.1	J	5.3	2.1	mg/Kg	✱	10/25/23 11:29	10/31/23 12:48	1
Oil Range Organics (C28-C35)	5.6		5.3	2.1	mg/Kg	✱	10/25/23 11:29	10/31/23 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	102		27 - 150	10/25/23 11:29	10/31/23 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20	J	21	2.4	mg/Kg	✱		10/25/23 09:53	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5400		10	4.9	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Arsenic	2.3		1.0	0.58	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Barium	470		1.0	0.17	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Boron	7.8	U	10	7.8	mg/Kg	✱	10/25/23 11:23	11/01/23 12:03	1
Cadmium	0.20	U	0.51	0.20	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Chromium	9.1	B	1.0	0.32	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Cobalt	4.6		1.0	0.19	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Iron	12000		10	7.4	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Lead	3.7		1.0	0.22	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Manganese	320		1.0	0.56	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Molybdenum	1.4	B	1.0	0.30	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Nickel	4.3	B	0.51	0.14	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1
Selenium	0.89	U	2.0	0.89	mg/Kg	✱	10/25/23 11:23	10/27/23 16:08	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0099	U	0.016	0.0099	mg/Kg	✱	10/27/23 07:38	10/31/23 10:38	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-245462-1

Client Sample ID: MW-30 26'
Date Collected: 10/19/23 11:59
Date Received: 10/21/23 07:57

Lab Sample ID: 400-245462-2
Matrix: Solid
Percent Solids: 93.9

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	93.9		0.01	0.01	%			10/28/23 07:58	1
Percent Moisture (EPA Moisture)	6.1		0.01	0.01	%			10/28/23 07:58	1

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Client Sample Results

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

Job ID: 400-245462-1

Client Sample ID: MW-30 44'

Lab Sample ID: 400-245462-3

Date Collected: 10/19/23 12:38

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 86.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00078	U	0.0058	0.00078	mg/Kg	✧	10/30/23 11:05	10/30/23 17:18	1
Toluene	0.0012	U	0.0058	0.0012	mg/Kg	✧	10/30/23 11:05	10/30/23 17:18	1
Ethylbenzene	0.00071	U	0.0058	0.00071	mg/Kg	✧	10/30/23 11:05	10/30/23 17:18	1
Xylenes, Total	0.0022	U	0.012	0.0022	mg/Kg	✧	10/30/23 11:05	10/30/23 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	96		67 - 130				10/30/23 11:05	10/30/23 17:18	1
Dibromofluoromethane	116		77 - 127				10/30/23 11:05	10/30/23 17:18	1
Toluene-d8 (Surr)	96		76 - 127				10/30/23 11:05	10/30/23 17:18	1

Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6--C10	0.056	U	0.11	0.056	mg/Kg	✧	10/27/23 10:32	10/27/23 15:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	96		65 - 125				10/27/23 10:32	10/27/23 15:00	1

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.2	U	5.5	2.2	mg/Kg	✧	10/25/23 11:29	10/31/23 13:21	1
Oil Range Organics (C28-C35)	2.2	U	5.5	2.2	mg/Kg	✧	10/25/23 11:29	10/31/23 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	70		27 - 150				10/25/23 11:29	10/31/23 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41		23	2.6	mg/Kg	✧		10/25/23 10:01	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	25000		11	5.5	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Arsenic	4.2		1.1	0.65	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Barium	34		1.1	0.19	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Boron	8.6	U	11	8.6	mg/Kg	✧	10/25/23 11:23	11/01/23 12:06	1
Cadmium	0.23	U	0.57	0.23	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Chromium	11	B	1.1	0.35	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Cobalt	20		1.1	0.22	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Iron	24000		11	8.2	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Lead	18		1.1	0.25	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Manganese	190		1.1	0.63	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Molybdenum	0.33	U	1.1	0.33	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Nickel	14	B	0.57	0.16	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1
Selenium	0.99	U	2.3	0.99	mg/Kg	✧	10/25/23 11:23	10/27/23 16:20	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.036		0.018	0.011	mg/Kg	✧	10/27/23 07:38	10/31/23 10:41	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-245462-1

Client Sample ID: MW-30 44'
Date Collected: 10/19/23 12:38
Date Received: 10/21/23 07:57

Lab Sample ID: 400-245462-3
Matrix: Solid
Percent Solids: 86.7

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	86.7		0.01	0.01	%			10/28/23 07:58	1
Percent Moisture (EPA Moisture)	13.3		0.01	0.01	%			10/28/23 07:58	1

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Client Sample Results

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

Job ID: 400-245462-1

Client Sample ID: MW-30 59'

Lab Sample ID: 400-245462-4

Date Collected: 10/19/23 13:24

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 88.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00075	U	0.0056	0.00075	mg/Kg	✱	10/31/23 10:25	10/31/23 13:00	1
Toluene	0.0011	U F1	0.0056	0.0011	mg/Kg	✱	10/31/23 10:25	10/31/23 13:00	1
Ethylbenzene	0.00068	U F1	0.0056	0.00068	mg/Kg	✱	10/31/23 10:25	10/31/23 13:00	1
Xylenes, Total	0.0021	U F1	0.011	0.0021	mg/Kg	✱	10/31/23 10:25	10/31/23 13:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	108		67 - 130				10/31/23 10:25	10/31/23 13:00	1
Dibromofluoromethane	110		77 - 127				10/31/23 10:25	10/31/23 13:00	1
Toluene-d8 (Surr)	93		76 - 127				10/31/23 10:25	10/31/23 13:00	1

Method: SW846 8015C - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6--C10	0.055	U	0.11	0.055	mg/Kg	✱	10/27/23 10:32	10/27/23 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	98		65 - 125				10/27/23 10:32	10/27/23 15:26	1

Method: EPA 8015C - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	34		5.6	2.2	mg/Kg	✱	10/25/23 11:29	10/31/23 13:05	1
Oil Range Organics (C28-C35)	31		5.6	2.2	mg/Kg	✱	10/25/23 11:29	10/31/23 13:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	90		27 - 150				10/25/23 11:29	10/31/23 13:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40		22	2.5	mg/Kg	✱		10/25/23 10:08	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	24000		11	5.2	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Arsenic	4.9		1.1	0.62	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Barium	66		1.1	0.18	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Boron	8.3 J		11	8.2	mg/Kg	✱	10/25/23 11:23	11/01/23 12:10	1
Cadmium	0.28 J		0.54	0.22	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Chromium	10 B		1.1	0.33	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Cobalt	11		1.1	0.21	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Iron	23000		11	7.8	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Lead	17		1.1	0.24	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Manganese	160		1.1	0.59	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Molybdenum	0.31 U		1.1	0.31	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Nickel	12 B		0.54	0.15	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1
Selenium	0.94 U		2.2	0.94	mg/Kg	✱	10/25/23 11:23	10/27/23 16:24	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.017	0.010	mg/Kg	✱	10/27/23 07:38	10/31/23 10:43	1

Eurofins Pensacola

Client Sample Results

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

Job ID: 400-245462-1

Client Sample ID: MW-30 59'
Date Collected: 10/19/23 13:24
Date Received: 10/21/23 07:57

Lab Sample ID: 400-245462-4
Matrix: Solid
Percent Solids: 88.9

General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids (EPA Moisture)	88.9		0.01	0.01	%			10/28/23 07:58	1
Percent Moisture (EPA Moisture)	11.1		0.01	0.01	%			10/28/23 07:58	1

Definitions/Glossary

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

Job ID: 400-245462-1

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
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
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Definitions/Glossary

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

Job ID: 400-245462-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Surrogate Summary

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

Job ID: 400-245462-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (67-130)	DBFM (77-127)	TOL (76-127)
400-245462-1	MW-30 16'	97	116	96
400-245462-1 MS	MW-30 16'	98	107	97
400-245462-1 MSD	MW-30 16'	99	107	97
400-245462-2	MW-30 26'	95	115	96
400-245462-3	MW-30 44'	96	116	96
400-245462-4	MW-30 59'	108	110	93
400-245462-4 MS	MW-30 59'	107	105	95
400-245462-4 MSD	MW-30 59'	107	98	92
LCS 400-647805/17-A	Lab Control Sample	98	105	100
LCS 400-648044/5-A	Lab Control Sample	97	107	104
MB 400-647805/16-A	Method Blank	95	116	98
MB 400-648044/4-A	Method Blank	91	119	105

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TFT-F2 (65-125)		
400-245462-1	MW-30 16'	96		
400-245462-2	MW-30 26'	93		
400-245462-3	MW-30 44'	96		
400-245462-4	MW-30 59'	98		
LCS 400-647543/1-A	Lab Control Sample	98		
MB 400-647543/2-A	Method Blank	94		

Surrogate Legend

TFT-F = a,a,a-Trifluorotoluene (fid)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		OTPH1 (27-150)		
400-245462-1	MW-30 16'	111		
400-245462-2	MW-30 26'	102		
400-245462-3	MW-30 44'	70		
400-245462-4	MW-30 59'	90		
LCS 400-647107/2-A	Lab Control Sample	91		
MB 400-647107/1-A	Method Blank	81		

Surrogate Legend

OTPH = o-Terphenyl (Surr)

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Lab Chronicle

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

Job ID: 400-245462-1

Client Sample ID: MW-30 16'

Lab Sample ID: 400-245462-1

Date Collected: 10/19/23 11:32

Matrix: Solid

Date Received: 10/21/23 07:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			647660	10/28/23 07:58	TMP	EET PEN

Client Sample ID: MW-30 16'

Lab Sample ID: 400-245462-1

Date Collected: 10/19/23 11:32

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.18 g	5.00 g	647805	10/30/23 11:05	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647748	10/30/23 13:06	CH	EET PEN
Total/NA	Prep	5035			5.46 g	5.0 g	647543	10/27/23 10:32	PD	EET PEN
Total/NA	Analysis	8015C		1	5 mL	5 mL	647506	10/27/23 14:07	BJ	EET PEN
Total/NA	Prep	3546			15.47 g	1 mL	647107	10/25/23 11:29	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	647908	10/31/23 12:32	CJ	EET PEN
Soluble	Leach	DI Leach			2.566 g	50 mL	646891	10/24/23 10:27	JN	EET PEN
Soluble	Analysis	300.0		1			646998	10/25/23 09:46	JN	EET PEN
Total/NA	Prep	3050B			0.526 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
Completed:								10/25/23 13:54	1	
Total/NA	Analysis	6010D		1			647693	10/27/23 16:04	BAW	EET PEN
Total/NA	Prep	3050B			0.526 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
Completed:								10/25/23 13:54	1	
Total/NA	Analysis	6010D		1			648346	11/01/23 11:59	BAW	EET PEN
Total/NA	Prep	7471B			0.5128 g	40 mL	647332	10/27/23 07:38	JR	EET PEN
Completed:								10/27/23 10:03	1	
Total/NA	Analysis	7471B		1			648005	10/31/23 10:37	NET	EET PEN

Client Sample ID: MW-30 26'

Lab Sample ID: 400-245462-2

Date Collected: 10/19/23 11:59

Matrix: Solid

Date Received: 10/21/23 07:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			647660	10/28/23 07:58	TMP	EET PEN

Client Sample ID: MW-30 26'

Lab Sample ID: 400-245462-2

Date Collected: 10/19/23 11:59

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5.00 g	647805	10/30/23 11:05	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647748	10/30/23 16:55	CH	EET PEN
Total/NA	Prep	5035			5.07 g	5.0 g	647543	10/27/23 10:32	PD	EET PEN
Total/NA	Analysis	8015C		1	5 mL	5 mL	647506	10/27/23 14:33	BJ	EET PEN
Total/NA	Prep	3546			15.06 g	1 mL	647107	10/25/23 11:29	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	647908	10/31/23 12:48	CJ	EET PEN
Soluble	Leach	DI Leach			2.523 g	50 mL	646891	10/24/23 10:27	JN	EET PEN
Soluble	Analysis	300.0		1			646998	10/25/23 09:53	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-245462-1

Client Sample ID: MW-30 26'

Lab Sample ID: 400-245462-2

Date Collected: 10/19/23 11:59

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 93.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.521 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
Total/NA	Analysis	6010D		1			647693	10/27/23 16:08	BAW	EET PEN
Total/NA	Prep	3050B			0.521 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			648346	11/01/23 12:03	BAW	EET PEN
Total/NA	Prep	7471B			0.5157 g	40 mL	647332	10/27/23 07:38	JR	EET PEN
							Completed:	10/27/23 10:03 ¹		
Total/NA	Analysis	7471B		1			648005	10/31/23 10:38	NET	EET PEN

Client Sample ID: MW-30 44'

Lab Sample ID: 400-245462-3

Date Collected: 10/19/23 12:38

Matrix: Solid

Date Received: 10/21/23 07:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			647660	10/28/23 07:58	TMP	EET PEN

Client Sample ID: MW-30 44'

Lab Sample ID: 400-245462-3

Date Collected: 10/19/23 12:38

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5.00 g	647805	10/30/23 11:05	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647748	10/30/23 17:18	CH	EET PEN
Total/NA	Prep	5035			5.12 g	5.0 g	647543	10/27/23 10:32	PD	EET PEN
Total/NA	Analysis	8015C		1	5 mL	5 mL	647506	10/27/23 15:00	BJ	EET PEN
Total/NA	Prep	3546			15.60 g	1 mL	647107	10/25/23 11:29	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	647908	10/31/23 13:21	CJ	EET PEN
Soluble	Leach	DI Leach			2.529 g	50 mL	646891	10/24/23 10:27	JN	EET PEN
Soluble	Analysis	300.0		1			646998	10/25/23 10:01	JN	EET PEN
Total/NA	Prep	3050B			0.507 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			647693	10/27/23 16:20	BAW	EET PEN
Total/NA	Prep	3050B			0.507 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			648346	11/01/23 12:06	BAW	EET PEN
Total/NA	Prep	7471B			0.5199 g	40 mL	647332	10/27/23 07:38	JR	EET PEN
							Completed:	10/27/23 10:03 ¹		
Total/NA	Analysis	7471B		1			648005	10/31/23 10:41	NET	EET PEN

Client Sample ID: MW-30 59'

Lab Sample ID: 400-245462-4

Date Collected: 10/19/23 13:24

Matrix: Solid

Date Received: 10/21/23 07:57

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			647660	10/28/23 07:58	TMP	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-245462-1

Client Sample ID: MW-30 59'

Lab Sample ID: 400-245462-4

Date Collected: 10/19/23 13:24

Matrix: Solid

Date Received: 10/21/23 07:57

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5.00 g	648044	10/31/23 10:25	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647968	10/31/23 13:00	CH	EET PEN
Total/NA	Prep	5035			5.10 g	5.0 g	647543	10/27/23 10:32	PD	EET PEN
Total/NA	Analysis	8015C		1	5 mL	5 mL	647506	10/27/23 15:26	BJ	EET PEN
Total/NA	Prep	3546			15.15 g	1 mL	647107	10/25/23 11:29	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	647908	10/31/23 13:05	CJ	EET PEN
Soluble	Leach	DI Leach			2.575 g	50 mL	646891	10/24/23 10:27	JN	EET PEN
Soluble	Analysis	300.0		1			646998	10/25/23 10:08	JN	EET PEN
Total/NA	Prep	3050B			0.521 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			647693	10/27/23 16:24	BAW	EET PEN
Total/NA	Prep	3050B			0.521 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			648346	11/01/23 12:10	BAW	EET PEN
Total/NA	Prep	7471B			0.5283 g	40 mL	647332	10/27/23 07:38	JR	EET PEN
							Completed:	10/27/23 10:03 ¹		
Total/NA	Analysis	7471B		1			648005	10/31/23 10:43	NET	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-646891/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.535 g	50 mL	646891	10/24/23 10:27	JN	EET PEN
Soluble	Analysis	300.0		1			646998	10/25/23 09:01	JN	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-647096/1-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	3050B			0.505 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			647622	10/27/23 13:22	BAW	EET PEN
Total/NA	Prep	3050B			0.505 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			648346	11/01/23 11:51	BAW	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-647107/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	647107	10/25/23 11:29	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	647908	10/31/23 08:38	CJ	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-245462-1

Client Sample ID: Method Blank

Lab Sample ID: MB 400-647332/14-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	7471B			0.602 g	40 mL	647332	10/26/23 12:24	JR	EET PEN
							Completed:	10/27/23 10:03 ¹		
Total/NA	Analysis	7471B		1			648005	10/31/23 10:12	NET	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-647543/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0 g	5.0 g	647543	10/27/23 10:32	PD	EET PEN
Total/NA	Analysis	8015C		1	5 mL	5 mL	647506	10/27/23 10:59	BJ	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-647805/16-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	647805	10/30/23 11:05	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647748	10/30/23 12:21	CH	EET PEN

Client Sample ID: Method Blank

Lab Sample ID: MB 400-648044/4-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	648044	10/31/23 10:25	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647968	10/31/23 11:30	CH	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-646891/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.539 g	50 mL	646891	10/24/23 10:27	JN	EET PEN
Soluble	Analysis	300.0		1			646998	10/25/23 09:08	JN	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-647096/2-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	3050B			0.500 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			647622	10/27/23 13:26	BAW	EET PEN
Total/NA	Prep	3050B			0.500 g	50 mL	647096	10/25/23 11:23	MS	EET PEN
							Completed:	10/25/23 13:54 ¹		
Total/NA	Analysis	6010D		1			648346	11/01/23 11:55	BAW	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-245462-1

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-647107/2-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			15.00 g	1 mL	647107	10/25/23 11:29	KR	EET PEN
Total/NA	Analysis	8015C		1	1 mL	1 mL	647908	10/31/23 11:08	CJ	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-647332/15-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	7471B			0.600 g	40 mL	647332	10/26/23 12:24	JR	EET PEN
							Completed:	10/27/23 10:03 ¹		
Total/NA	Analysis	7471B		1			648005	10/31/23 10:13	NET	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-647543/1-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.0 g	5.0 g	647543	10/27/23 10:32	PD	EET PEN
Total/NA	Analysis	8015C		1	5 mL	5 mL	647506	10/27/23 10:32	BJ	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-647805/17-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	647805	10/30/23 11:05	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647748	10/30/23 11:13	CH	EET PEN

Client Sample ID: Lab Control Sample

Lab Sample ID: LCS 400-648044/5-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5.00 g	648044	10/31/23 10:25	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647968	10/31/23 10:30	CH	EET PEN

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 400-646891/3-A

Date Collected: N/A

Matrix: Solid

Date Received: N/A

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.528 g	50 mL	646891	10/24/23 10:27	JN	EET PEN
Soluble	Analysis	300.0		1			646998	10/25/23 09:16	JN	EET PEN

Eurofins Pensacola

Lab Chronicle

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

Job ID: 400-245462-1

Client Sample ID: MW-30 16'

Date Collected: 10/19/23 11:32

Date Received: 10/21/23 07:57

Lab Sample ID: 400-245462-1 MS

Matrix: Solid

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.06 g	5.00 g	647805	10/30/23 11:05	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647748	10/30/23 13:30	CH	EET PEN

Client Sample ID: MW-30 16'

Date Collected: 10/19/23 11:32

Date Received: 10/21/23 07:57

Lab Sample ID: 400-245462-1 MSD

Matrix: Solid

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5.00 g	647805	10/30/23 11:05	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647748	10/30/23 13:53	CH	EET PEN

Client Sample ID: MW-30 59'

Date Collected: 10/19/23 13:24

Date Received: 10/21/23 07:57

Lab Sample ID: 400-245462-4 MS

Matrix: Solid

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.17 g	5.00 g	648044	10/31/23 10:25	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647968	10/31/23 14:31	CH	EET PEN

Client Sample ID: MW-30 59'

Date Collected: 10/19/23 13:24

Date Received: 10/21/23 07:57

Lab Sample ID: 400-245462-4 MSD

Matrix: Solid

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5.00 g	648044	10/31/23 10:25	CH	EET PEN
Total/NA	Analysis	8260D		1	5 mL	5 mL	647968	10/31/23 14:54	CH	EET PEN

¹ This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

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

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-245462-1

GC/MS VOA

Analysis Batch: 647748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	8260D	647805
400-245462-2	MW-30 26'	Total/NA	Solid	8260D	647805
400-245462-3	MW-30 44'	Total/NA	Solid	8260D	647805
MB 400-647805/16-A	Method Blank	Total/NA	Solid	8260D	647805
LCS 400-647805/17-A	Lab Control Sample	Total/NA	Solid	8260D	647805
400-245462-1 MS	MW-30 16'	Total/NA	Solid	8260D	647805
400-245462-1 MSD	MW-30 16'	Total/NA	Solid	8260D	647805

Prep Batch: 647805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	5035	
400-245462-2	MW-30 26'	Total/NA	Solid	5035	
400-245462-3	MW-30 44'	Total/NA	Solid	5035	
MB 400-647805/16-A	Method Blank	Total/NA	Solid	5035	
LCS 400-647805/17-A	Lab Control Sample	Total/NA	Solid	5035	
400-245462-1 MS	MW-30 16'	Total/NA	Solid	5035	
400-245462-1 MSD	MW-30 16'	Total/NA	Solid	5035	

Analysis Batch: 647968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-4	MW-30 59'	Total/NA	Solid	8260D	648044
MB 400-648044/4-A	Method Blank	Total/NA	Solid	8260D	648044
LCS 400-648044/5-A	Lab Control Sample	Total/NA	Solid	8260D	648044
400-245462-4 MS	MW-30 59'	Total/NA	Solid	8260D	648044
400-245462-4 MSD	MW-30 59'	Total/NA	Solid	8260D	648044

Prep Batch: 648044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-4	MW-30 59'	Total/NA	Solid	5035	
MB 400-648044/4-A	Method Blank	Total/NA	Solid	5035	
LCS 400-648044/5-A	Lab Control Sample	Total/NA	Solid	5035	
400-245462-4 MS	MW-30 59'	Total/NA	Solid	5035	
400-245462-4 MSD	MW-30 59'	Total/NA	Solid	5035	

GC VOA

Analysis Batch: 647506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	8015C	647543
400-245462-2	MW-30 26'	Total/NA	Solid	8015C	647543
400-245462-3	MW-30 44'	Total/NA	Solid	8015C	647543
400-245462-4	MW-30 59'	Total/NA	Solid	8015C	647543
MB 400-647543/2-A	Method Blank	Total/NA	Solid	8015C	647543
LCS 400-647543/1-A	Lab Control Sample	Total/NA	Solid	8015C	647543

Prep Batch: 647543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	5035	
400-245462-2	MW-30 26'	Total/NA	Solid	5035	
400-245462-3	MW-30 44'	Total/NA	Solid	5035	
400-245462-4	MW-30 59'	Total/NA	Solid	5035	

Eurofins Pensacola

QC Association Summary

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

Job ID: 400-245462-1

GC VOA (Continued)

Prep Batch: 647543 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-647543/2-A	Method Blank	Total/NA	Solid	5035	
LCS 400-647543/1-A	Lab Control Sample	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 647107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	3546	
400-245462-2	MW-30 26'	Total/NA	Solid	3546	
400-245462-3	MW-30 44'	Total/NA	Solid	3546	
400-245462-4	MW-30 59'	Total/NA	Solid	3546	
MB 400-647107/1-A	Method Blank	Total/NA	Solid	3546	
LCS 400-647107/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 647908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	8015C	647107
400-245462-2	MW-30 26'	Total/NA	Solid	8015C	647107
400-245462-3	MW-30 44'	Total/NA	Solid	8015C	647107
400-245462-4	MW-30 59'	Total/NA	Solid	8015C	647107
MB 400-647107/1-A	Method Blank	Total/NA	Solid	8015C	647107
LCS 400-647107/2-A	Lab Control Sample	Total/NA	Solid	8015C	647107

HPLC/IC

Leach Batch: 646891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Soluble	Solid	DI Leach	
400-245462-2	MW-30 26'	Soluble	Solid	DI Leach	
400-245462-3	MW-30 44'	Soluble	Solid	DI Leach	
400-245462-4	MW-30 59'	Soluble	Solid	DI Leach	
MB 400-646891/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-646891/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-646891/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 646998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Soluble	Solid	300.0	646891
400-245462-2	MW-30 26'	Soluble	Solid	300.0	646891
400-245462-3	MW-30 44'	Soluble	Solid	300.0	646891
400-245462-4	MW-30 59'	Soluble	Solid	300.0	646891
MB 400-646891/1-A	Method Blank	Soluble	Solid	300.0	646891
LCS 400-646891/2-A	Lab Control Sample	Soluble	Solid	300.0	646891
LCSD 400-646891/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	646891

Metals

Prep Batch: 647096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	3050B	
400-245462-2	MW-30 26'	Total/NA	Solid	3050B	
400-245462-3	MW-30 44'	Total/NA	Solid	3050B	

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QC Association Summary

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

Job ID: 400-245462-1

Metals (Continued)

Prep Batch: 647096 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-4	MW-30 59'	Total/NA	Solid	3050B	
MB 400-647096/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 400-647096/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 647332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	7471B	
400-245462-2	MW-30 26'	Total/NA	Solid	7471B	
400-245462-3	MW-30 44'	Total/NA	Solid	7471B	
400-245462-4	MW-30 59'	Total/NA	Solid	7471B	
MB 400-647332/14-A	Method Blank	Total/NA	Solid	7471B	
LCS 400-647332/15-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 647622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 400-647096/1-A	Method Blank	Total/NA	Solid	6010D	647096
LCS 400-647096/2-A	Lab Control Sample	Total/NA	Solid	6010D	647096

Analysis Batch: 647693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	6010D	647096
400-245462-2	MW-30 26'	Total/NA	Solid	6010D	647096
400-245462-3	MW-30 44'	Total/NA	Solid	6010D	647096
400-245462-4	MW-30 59'	Total/NA	Solid	6010D	647096

Analysis Batch: 648005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	7471B	647332
400-245462-2	MW-30 26'	Total/NA	Solid	7471B	647332
400-245462-3	MW-30 44'	Total/NA	Solid	7471B	647332
400-245462-4	MW-30 59'	Total/NA	Solid	7471B	647332
MB 400-647332/14-A	Method Blank	Total/NA	Solid	7471B	647332
LCS 400-647332/15-A	Lab Control Sample	Total/NA	Solid	7471B	647332

Analysis Batch: 648346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	6010D	647096
400-245462-2	MW-30 26'	Total/NA	Solid	6010D	647096
400-245462-3	MW-30 44'	Total/NA	Solid	6010D	647096
400-245462-4	MW-30 59'	Total/NA	Solid	6010D	647096
MB 400-647096/1-A	Method Blank	Total/NA	Solid	6010D	647096
LCS 400-647096/2-A	Lab Control Sample	Total/NA	Solid	6010D	647096

General Chemistry

Analysis Batch: 647660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-245462-1	MW-30 16'	Total/NA	Solid	Moisture	
400-245462-2	MW-30 26'	Total/NA	Solid	Moisture	
400-245462-3	MW-30 44'	Total/NA	Solid	Moisture	
400-245462-4	MW-30 59'	Total/NA	Solid	Moisture	

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QC Sample Results

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

Job ID: 400-245462-1

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

Lab Sample ID: MB 400-647805/16-A

Matrix: Solid

Analysis Batch: 647748

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 647805

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00067	U	0.0050	0.00067	mg/Kg		10/30/23 11:05	10/30/23 12:21	1
Toluene	0.0010	U	0.0050	0.0010	mg/Kg		10/30/23 11:05	10/30/23 12:21	1
Ethylbenzene	0.00061	U	0.0050	0.00061	mg/Kg		10/30/23 11:05	10/30/23 12:21	1
Xylenes, Total	0.0019	U	0.010	0.0019	mg/Kg		10/30/23 11:05	10/30/23 12:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		67 - 130	10/30/23 11:05	10/30/23 12:21	1
Dibromofluoromethane	116		77 - 127	10/30/23 11:05	10/30/23 12:21	1
Toluene-d8 (Surr)	98		76 - 127	10/30/23 11:05	10/30/23 12:21	1

Lab Sample ID: LCS 400-647805/17-A

Matrix: Solid

Analysis Batch: 647748

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 647805

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0486		mg/Kg		97	65 - 130
Toluene	0.0500	0.0494		mg/Kg		99	70 - 130
Ethylbenzene	0.0500	0.0530		mg/Kg		106	70 - 130
Xylenes, Total	0.100	0.108		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.0500	0.0537		mg/Kg		107	70 - 130
o-Xylene	0.0500	0.0542		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	98		67 - 130
Dibromofluoromethane	105		77 - 127
Toluene-d8 (Surr)	100		76 - 127

Lab Sample ID: 400-245462-1 MS

Matrix: Solid

Analysis Batch: 647748

Client Sample ID: MW-30 16'

Prep Type: Total/NA

Prep Batch: 647805

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00085	U	0.0646	0.0579		mg/Kg	☼	90	38 - 131
Toluene	0.0018	J	0.0646	0.0574		mg/Kg	☼	86	42 - 130
Ethylbenzene	0.00077	U	0.0646	0.0582		mg/Kg	☼	90	35 - 130
Xylenes, Total	0.0024	U	0.129	0.120		mg/Kg	☼	93	35 - 130
m-Xylene & p-Xylene	0.0016	U	0.0646	0.0594		mg/Kg	☼	92	35 - 130
o-Xylene	0.0013	U	0.0646	0.0604		mg/Kg	☼	94	35 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	98		67 - 130
Dibromofluoromethane	107		77 - 127
Toluene-d8 (Surr)	97		76 - 127

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QC Sample Results

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

Job ID: 400-245462-1

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

Lab Sample ID: 400-245462-1 MSD

Matrix: Solid

Analysis Batch: 647748

Client Sample ID: MW-30 16'

Prep Type: Total/NA

Prep Batch: 647805

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00085	U	0.0650	0.0508		mg/Kg	☼	78	38 - 131	13	30
Toluene	0.0018	J	0.0650	0.0490		mg/Kg	☼	73	42 - 130	16	30
Ethylbenzene	0.00077	U	0.0650	0.0473		mg/Kg	☼	73	35 - 130	21	30
Xylenes, Total	0.0024	U	0.130	0.0976		mg/Kg	☼	75	35 - 130	20	30
m-Xylene & p-Xylene	0.0016	U	0.0650	0.0481		mg/Kg	☼	74	35 - 130	21	30
o-Xylene	0.0013	U	0.0650	0.0496		mg/Kg	☼	76	35 - 130	20	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene	99		67 - 130
Dibromofluoromethane	107		77 - 127
Toluene-d8 (Surr)	97		76 - 127

Lab Sample ID: MB 400-648044/4-A

Matrix: Solid

Analysis Batch: 647968

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 648044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00067	U	0.0050	0.00067	mg/Kg		10/31/23 10:25	10/31/23 11:30	1
Toluene	0.0010	U	0.0050	0.0010	mg/Kg		10/31/23 10:25	10/31/23 11:30	1
Ethylbenzene	0.00061	U	0.0050	0.00061	mg/Kg		10/31/23 10:25	10/31/23 11:30	1
Xylenes, Total	0.0019	U	0.010	0.0019	mg/Kg		10/31/23 10:25	10/31/23 11:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		67 - 130	10/31/23 10:25	10/31/23 11:30	1
Dibromofluoromethane	119		77 - 127	10/31/23 10:25	10/31/23 11:30	1
Toluene-d8 (Surr)	105		76 - 127	10/31/23 10:25	10/31/23 11:30	1

Lab Sample ID: LCS 400-648044/5-A

Matrix: Solid

Analysis Batch: 647968

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 648044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.0450		mg/Kg		90	65 - 130
Toluene	0.0500	0.0475		mg/Kg		95	70 - 130
Ethylbenzene	0.0500	0.0475		mg/Kg		95	70 - 130
Xylenes, Total	0.100	0.0971		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.0500	0.0477		mg/Kg		95	70 - 130
o-Xylene	0.0500	0.0494		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene	97		67 - 130
Dibromofluoromethane	107		77 - 127
Toluene-d8 (Surr)	104		76 - 127

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QC Sample Results

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

Job ID: 400-245462-1

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

Lab Sample ID: 400-245462-4 MS

Matrix: Solid

Analysis Batch: 647968

Client Sample ID: MW-30 59'

Prep Type: Total/NA

Prep Batch: 648044

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.00075	U	0.0544	0.0278		mg/Kg	✱	51	38 - 131
Toluene	0.0011	U F1	0.0544	0.0210	F1	mg/Kg	✱	39	42 - 130
Ethylbenzene	0.00068	U F1	0.0544	0.0178	F1	mg/Kg	✱	33	35 - 130
Xylenes, Total	0.0021	U F1	0.109	0.0341	F1	mg/Kg	✱	31	35 - 130
m-Xylene & p-Xylene	0.0015	U F1	0.0544	0.0173	F1	mg/Kg	✱	32	35 - 130
o-Xylene	0.0011	U F1	0.0544	0.0168	F1	mg/Kg	✱	31	35 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene	107		67 - 130
Dibromofluoromethane	105		77 - 127
Toluene-d8 (Surr)	95		76 - 127

Lab Sample ID: 400-245462-4 MSD

Matrix: Solid

Analysis Batch: 647968

Client Sample ID: MW-30 59'

Prep Type: Total/NA

Prep Batch: 648044

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.00075	U	0.0560	0.0277		mg/Kg	✱	50	38 - 131	0	30
Toluene	0.0011	U F1	0.0560	0.0190	F1	mg/Kg	✱	34	42 - 130	10	30
Ethylbenzene	0.00068	U F1	0.0560	0.0167	F1	mg/Kg	✱	30	35 - 130	6	30
Xylenes, Total	0.0021	U F1	0.112	0.0293	F1	mg/Kg	✱	26	35 - 130	15	30
m-Xylene & p-Xylene	0.0015	U F1	0.0560	0.0156	F1	mg/Kg	✱	28	35 - 130	10	30
o-Xylene	0.0011	U F1	0.0560	0.0137	F1	mg/Kg	✱	24	35 - 130	20	30

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene	107		67 - 130
Dibromofluoromethane	98		77 - 127
Toluene-d8 (Surr)	92		76 - 127

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

Lab Sample ID: MB 400-647543/2-A

Matrix: Solid

Analysis Batch: 647506

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 647543

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO) C6-C10	0.050	U	0.10	0.050	mg/Kg		10/27/23 10:32	10/27/23 10:59	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene (fid)	94		65 - 125	10/27/23 10:32	10/27/23 10:59	1

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QC Sample Results

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

Job ID: 400-245462-1

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

Lab Sample ID: LCS 400-647543/1-A

Matrix: Solid

Analysis Batch: 647506

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 647543

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO) C6-C10	1.00	0.994		mg/Kg		99	62 - 141
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene (fid)	98		65 - 125				

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

Lab Sample ID: MB 400-647107/1-A

Matrix: Solid

Analysis Batch: 647908

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 647107

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Range Organics [C10-C28]	2.0	U	5.0	2.0	mg/Kg		10/25/23 11:29	10/31/23 08:38	1
Oil Range Organics (C28-C35)	2.0	U	5.0	2.0	mg/Kg		10/25/23 11:29	10/31/23 08:38	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
%Recovery	Qualifier								
o-Terphenyl (Surr)	81		27 - 150				10/25/23 11:29	10/31/23 08:38	1

Lab Sample ID: LCS 400-647107/2-A

Matrix: Solid

Analysis Batch: 647908

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 647107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	269	220		mg/Kg		82	38 - 116
Surrogate	%Recovery	LCS Qualifier	Limits				
o-Terphenyl (Surr)	91		27 - 150				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-646891/1-A

Matrix: Solid

Analysis Batch: 646998

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.3	U	20	2.3	mg/Kg			10/25/23 09:01	1

Lab Sample ID: LCS 400-646891/2-A

Matrix: Solid

Analysis Batch: 646998

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	98.5	97.1		mg/Kg		99	80 - 120

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QC Sample Results

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

Job ID: 400-245462-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 400-646891/3-A

Matrix: Solid

Analysis Batch: 646998

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	98.9	101		mg/Kg		102	80 - 120	4	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 400-647096/1-A

Matrix: Solid

Analysis Batch: 647622

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 647096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4.8	U	9.9	4.8	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Arsenic	0.56	U	0.99	0.56	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Barium	0.17	U	0.99	0.17	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Cadmium	0.20	U	0.50	0.20	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Chromium	0.460	J	0.99	0.31	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Cobalt	0.19	U	0.99	0.19	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Iron	7.1	U	9.9	7.1	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Lead	0.22	U	0.99	0.22	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Manganese	0.54	U	0.99	0.54	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Molybdenum	0.850	J	0.99	0.29	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Nickel	0.166	J	0.50	0.14	mg/Kg		10/25/23 11:23	10/27/23 13:22	1
Selenium	0.86	U	2.0	0.86	mg/Kg		10/25/23 11:23	10/27/23 13:22	1

Lab Sample ID: MB 400-647096/1-A

Matrix: Solid

Analysis Batch: 648346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 647096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	7.5	U	9.9	7.5	mg/Kg		10/25/23 11:23	11/01/23 11:51	1

Lab Sample ID: LCS 400-647096/2-A

Matrix: Solid

Analysis Batch: 647622

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 647096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	1000	1040		mg/Kg		104	80 - 120
Arsenic	100	95.4		mg/Kg		95	80 - 120
Barium	100	106		mg/Kg		106	80 - 120
Cadmium	50.0	51.1		mg/Kg		102	80 - 120
Chromium	100	102		mg/Kg		102	80 - 120
Cobalt	100	101		mg/Kg		101	80 - 120
Iron	1000	1020		mg/Kg		102	80 - 120
Lead	100	98.3		mg/Kg		98	80 - 120
Manganese	100	104		mg/Kg		104	80 - 120
Molybdenum	100	100		mg/Kg		100	80 - 120
Nickel	100	100		mg/Kg		100	80 - 120
Selenium	100	89.0		mg/Kg		89	80 - 120

Eurofins Pensacola

QC Sample Results

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

Job ID: 400-245462-1

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

Lab Sample ID: LCS 400-647096/2-A				Client Sample ID: Lab Control Sample					
Matrix: Solid				Prep Type: Total/NA					
Analysis Batch: 648346				Prep Batch: 647096					
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Boron		100	103		mg/Kg		103	80 - 120	

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 400-647332/14-A				Client Sample ID: Method Blank					
Matrix: Solid				Prep Type: Total/NA					
Analysis Batch: 648005				Prep Batch: 647332					
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.013	0.0080	mg/Kg		10/26/23 12:24	10/31/23 10:12	1

Lab Sample ID: LCS 400-647332/15-A				Client Sample ID: Lab Control Sample					
Matrix: Solid				Prep Type: Total/NA					
Analysis Batch: 648005				Prep Batch: 647332					
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Mercury		0.0667	0.0653		mg/Kg		98	80 - 120	

Login Sample Receipt Checklist

Client: Stantec Consulting Services Inc

Job Number: 400-245462-1

Login Number: 245462

List Source: Eurofins Pensacola

List Number: 1

Creator: Earnest, Tamantha

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	1.7°C IR11
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

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

Job ID: 400-245462-1

Laboratory: Eurofins Pensacola

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

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

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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 327820

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 327820
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2023 Annual Groundwater Monitoring Report for the San Juan River Gas Plant: content satisfactory 1. Continue conducting groundwater monitoring events as planned, on an annual basis for the 4th quarter of 2024. 2. Continue to manually bail and remove LNAPL as possible. 3. Submit the 2024 Annual Report by April 1, 2025.	6/28/2024