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October 18, 2024

Attention: Ms. Rachel Caron
Department of Ecology
Toxics Cleanup Program
1250 West Alder Street
Union Gap, WA 98903

Reference: Submittal of the First Quarter 2024 Groundwater Monitoring Report for the Bee-Jay Scales Site

Dear Ms. Caron,

Enclosed for your review is the *First Quarter 2024 Groundwater Monitoring Report* for the Bee-Jay Scales Site, located at 116 N. 1st Street in Sunnyside, Washington. If you have any questions, please do not hesitate to contact me.

Regards,

Stantec Consulting Services Inc.

A handwritten signature in black ink that reads "Marisa Kaffenberger". The signature is fluid and cursive.

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First Quarter 2024 Groundwater Monitoring Report

Bee-Jay Scales Site
116 N. 1st Street
Sunnyside, WA 98944



Submitted to:
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Department of Ecology
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October 18, 2024

Sign-off Sheet

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Prepared by Bryce Krupp
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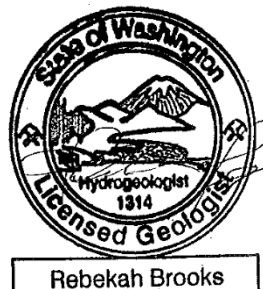
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Acronyms / Abbreviations

1,2-DCP	1,2-dichloropropane
1Q24	First Quarter 2024
2,4-D	2,4-dichlorophenoxyacetic acid
BOD	biochemical oxygen demand
°C	degrees Celsius
Consent Decree	Consent Decree No. 132017660
CUL	cleanup level
DI	deionized
DO	dissolved oxygen
Ecology	Washington State Department of Ecology
EISB	enhanced in-situ bioremediation
EPA	United States Environmental Protection Agency
ft/ft	feet per foot
GW CMP	Groundwater Remedy Compliance Monitoring Plan
IHS	Indicator hazardous substance
J	estimated
MDL	method detection limit
mg/L	milligrams per liter
MNA	monitored natural attenuation
MSL	mean sea level
mV	millivolts
µS/cm	microSiemens per centimeter
ORP	oxidation-reduction potential
%	percent
POC	point of compliance
QA/QC	quality assurance/quality control
RPD	relative percent difference
Site	Bee-Jay Scales Site, Sunnyside, Washington
Stantec	Stantec Consulting Services Inc.
TOC	top of casing
UCL95	95% upper confidence limit concentration
VOC	volatile organic compound

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1.0 Introduction

This document summarizes the activities and results of the First Quarter 2024 (1Q24) semi-annual groundwater monitoring event for the Bee-Jay Scales Site in Sunnyside, Washington (Site). The event was conducted by Stantec Consulting Services Inc. (Stantec) for Chevron Environmental Management Company and Remediation Management Services Company, on behalf of Chevron Chemical Company and American Oil Company, respectively. This project is being implemented in accordance with the Washington State Department of Ecology (Ecology) Model Toxics Control Act and under Consent Decree No. 132017660 (Consent Decree).

The Site is in the city of Sunnyside, Washington, within Yakima County, and includes two parcels where contaminants were historically released and the parcels where those contaminants have come to be located. The Site location is shown on **Figure 1**. The two parcels where contaminants were historically released include the southern portions of Parcel No. 22102522014, located at 110 North 1st Street and owned by Bee-Jay Scales, Inc., and Parcel No. 22102522015, located at 301 Warehouse Avenue and owned by Western General Land, LLC (i.e., source area). Historical releases from these parcels have impacted the groundwater at those parcels and have extended down-gradient.

The Site Plan, including parcel numbers, monitoring well locations, injection well locations, building locations, and other important features, is shown on **Figure 2**. The first six digits of the parcel numbers (221025) repeat for all parcels and are not shown in full on the figures for presentation purposes.

This 1Q24 semi-annual groundwater monitoring event continues post-Phase II enhanced in-situ bioremediation (EISB) groundwater monitoring requirements. Phase II EISB injection activities were completed at 47 injection wells (IW-1-1 through IW-1-4, IW-2-2 through IW-2-7, IW-3-1 through IW-3-20, and IW-4-1 through IW-4-17; shown on **Figure 2**) between July and October 2022, followed by completion of five quarterly EISB groundwater remedy performance monitoring events in December 2022, March 2023, May 2023, August 2023, and December 2023. Beginning in First Quarter 2024, the groundwater monitoring program for the Site switched to the semi-annual post-EISB groundwater remedy performance monitoring program per the *Groundwater Remedy Compliance Monitoring Plan* (GW CMP), dated May 1, 2019 (Stantec, 2019).

Fieldwork for the 1Q24 semi-annual groundwater monitoring event was completed March 11 through 14, 2024. A summary of the 1Q24 semi-annual groundwater monitoring event conclusions and recommendations follows:

- The 1Q24 groundwater flow direction was generally to the southeast throughout most of the Site and to the east in the northern portion of the Site, as shown on **Figure 3**. Groundwater flow direction, elevations, and hydraulic gradients were consistent with historical data.

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- As outlined in the GW CMP, monitoring parameter concentrations were compared to calculated pre-treatment threshold concentrations to determine if groundwater at a well location is under monitored natural attenuation (MNA) or EISB conditions (defined in Section 4.1). As of the 1Q24 sampling event, Site groundwater remained under or has returned to MNA conditions in all but three wells: MW-5R, MW-13, and MW-23; however, the groundwater appears to be transitioning out of EISB conditions. The indicator hazardous substance (IHS) concentration data support this observed transition.
- In comparing iso-concentrations from the First Quarter 2020 Phase I pre-treatment sampling event to 1Q24 post-Phase II EISB iso-concentrations (**Figures 4 through 7**) and considering trends:
 - The nitrate plume footprint decreased overall, most notably in the area of the plume with concentrations above 100 milligrams per liter (mg/L).
 - The overall dinoseb plume size decreased by more than 50 percent (%); in 1Q24, there were no dinoseb concentrations above 0.7 mg/L and concentrations are currently below the cleanup level (CUL) in several wells that had previously been within the plume boundary.
 - There was no significant change in the 1,2-dichloropropane (1,2-DCP) plume extent; however, the magnitude of concentrations decreased and in 1Q24, there were no 1,2-DCP concentrations above 0.5 mg/L.
 - The distribution of total arsenic continues to differ from the distribution of other Site IHSs and appears not to be exclusively related to historical Site operations. The arsenic plume sizes have increased overall, specifically in the source area and the area down-gradient of the source area. This increased mobility is expected due to the Phase II EISB groundwater remedy implementation; however, the lower concentrations in the further down-gradient wells demonstrate that residual metals in groundwater are being attenuated before reaching these locations.
- It is recommended that the semi-annual post-EISB groundwater remedy performance monitoring program continue.

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2.0 Summary of Groundwater Monitoring Activities

The objectives of the post-EISB monitoring per the GW CMP were to:

- Assess the progress of the groundwater remedy throughout the Site groundwater plume, including both EISB and MNA performance, as applicable; and
- Maintain monitoring of the Site boundary monitoring wells (e.g., MW-1, MW-7, MW-10, etc.) in addition to the Site point of compliance (POC) wells or wells within the nitrate groundwater plume. The Site POC wells are currently: MW-4R, MW-5R, MW-6, and MW-12R; and down-gradient monitoring wells, including MW-9, MW-13 through MW-21, MW-23, and MW-24.

2.1 GROUNDWATER MONITORING

Groundwater samples were collected from 22 monitoring wells during this event: MW-1, MW-3, MW-4R, MW-5R, MW-7 through MW-11, MW-12R, and MW-13 through MW-24. Well MW-6 was not accessible due to metal debris and vegetation. Well locations are shown on **Figure 2**. The groundwater sampling procedures are detailed in the GW CMP.

2.1.1 Groundwater Elevation Measurement

Before sampling activities commenced, an electronic water level indicator was used to measure the depth to groundwater and total well depth from the surveyed point of each well's top of casing (TOC). Results were recorded on the Groundwater Field Log (**Appendix A**). Cumulative groundwater elevation data from Third Quarter 2005 to present are summarized in **Table 1**.

Groundwater elevation contours were generated for the 1Q24 groundwater monitoring event, as illustrated on **Figure 3**. Depth to groundwater ranged from 5.96 feet below TOC in well MW-11 to 13.45 feet below TOC in well MW-18. The groundwater elevation ranged from 731.44 feet above mean sea level (MSL) at well MW-20 to 739.70 feet above MSL at well MW-11. Groundwater elevations were consistent with historical ranges except for wells MW-22, MW-23, and MW-24, which were measured at historical highs.

The 1Q24 groundwater flow direction is generally to the southeast throughout most of the Site and to the east in the northern portion of the Site, which is consistent with historical groundwater flow directions. The calculated hydraulic gradient for the 1Q24 monitoring event ranged from approximately 0.004 to 0.032 feet per foot (ft/ft), with an average hydraulic gradient of approximately 0.013 ft/ft. These hydraulic gradients were consistent with historical ranges.

2.1.2 Sampling Activities

Groundwater samples were collected from each of the monitoring wells using low-flow sampling procedures. During well purging using a peristaltic pump, water levels and indicator field

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parameters were generally recorded on the Low-Flow Groundwater Sampling Data Sheet (**Appendix A**) every 5 minutes. Purging was considered complete and sampling began when indicator field parameters stabilized. Stabilization was achieved when three consecutive readings were within the following limits:

- Dissolved oxygen (DO) in mg/L (10%)
- Conductivity in microSiemens per centimeter ($\mu\text{S}/\text{cm}$) (3%)
- Temperature in degrees Celsius ($^{\circ}\text{C}$) (3%)
- pH in standard units (± 0.1 units)
- Oxidation-reduction potential (ORP) in millivolts (mV) (± 10 mV)

Exceptions were noted at wells MW-10, MW-12R, and MW-24, where conductivity or ORP readings did not stabilize prior to sampling; however, these wells were purged for 30 minutes prior to sample collection. Turbidity was also measured but was not used to determine stabilization. Measurements were obtained using a multi-parameter meter with flow-through cell. Field instruments were calibrated in accordance with the manufacturer's directions prior to use. Purge volumes for each well were recorded on the Low-Flow Groundwater Sampling Data Sheet. After collection of the samples, the pump tubing was dedicated to the well for re-sampling (by hanging the tubing inside the well) or containerized and properly disposed. Any non-dedicated sampling equipment (including water level indicator) that contacted the ground surface or groundwater was decontaminated between sampling points according to the procedures detailed in the GW CMP.

Purge and decontamination water from the event was collected and transferred to a 55-gallon drum that was labeled with contents and date it was first used; the drum is temporarily being stored on-site. Due to the low-flow sampling procedures utilized, only a small volume of purge water (generally 1 gallon per well or less) was generated. The purge and decontamination water will be disposed during a future event, and disposal documentation will be included in the report at that time. In accordance with State of Washington and federal regulations, drums containing purge and decontamination water will be removed from the property by a licensed waste hauler.

2.1.3 Analytical Program

The 1Q24 semi-annual groundwater monitoring event followed the semi-annual post-EISB groundwater remedy performance monitoring program detailed in the GW CMP, along with additions to the program recommended in a letter from Stantec to Ecology dated February 14, 2020 (Stantec, 2020a) and in the *Third Quarter 2021 Groundwater and Storm/Irrigation Drain Monitoring Report* (Stantec, 2021). **Table 2** provides a summary of the groundwater sample analytes and methods used for analysis. Analytical results are discussed in Section 3.1.

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2.1.4 Quality Assurance/Quality Control Program

The following quality assurance/quality control (QA/QC) samples were collected during the groundwater sampling activities: field duplicates, field equipment blanks, a water blank, and trip blanks.

- Two field duplicate samples were collected to evaluate the laboratory's performance by comparing the analytical results of two samples collected at the same location.
- Four field equipment blanks were collected by pouring deionized (DI) water over the decontaminated water level indicator to evaluate for cross-contamination due to possible inadequate decontamination of sampling equipment. Only the water level indicator required decontamination because the pump tubing is dedicated to the well or disposed after use.
- A water blank consisting of a sample of the store-bought DI water used for decontamination and field equipment blanks was analyzed to determine if there were any analytes detected in the DI water.
- Because volatile organic compounds (VOCs) were part of the analytical program, trip blanks were placed in each cooler that contained samples for VOC analysis to evaluate possible cross-contamination during sample shipment. Trip blanks were analyzed for VOCs only.

QA/QC results are discussed in Section 3.2.

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3.0 Presentation of Results

3.1 GROUNDWATER SAMPLING RESULTS

Table 2 summarizes the groundwater monitoring results and a comparison to Site-specific CULs, when applicable. Analytical laboratory reports are included in **Appendix B**.

As stated in Section 2.1.3, The 1Q24 semi-annual groundwater monitoring event followed the semi-annual post-EISB groundwater remedy performance monitoring program detailed in the GW CMP. Per this program, samples were not analyzed for certain analytes if they were collected from outside of the plume area or historically did not have detections for specified analytes.

3.1.1 Indicator Hazardous Substance Results

The following is a summary of the 1Q24 groundwater monitoring results for Site IHSs above CULs. IHS concentrations were compared with historical results at each well to evaluate if concentrations were within historical limits, defined as within 5% of previous historical high or low concentrations at that well location. **Table 2** includes data from First Quarter 2020 to present; historical data used in the historical limit evaluation are not all included in **Table 2** and were provided in previous reports. If less than three results were available for an analyte at a single well location, a historical comparison was not performed.

- Nitrate concentrations ranging from 17 mg/L to 180 mg/L were detected in groundwater samples collected from ten wells (MW-3, MW-4R, MW-8, MW-9, MW-12R, MW-13, MW-16, MW-21, MW-22, and MW-23) above the CUL of 10 mg/L. Nitrate concentrations were within historical limits except for historical lows at MW-7 and MW-24 and a historical high at MW-20.
- Nitrite concentrations ranging from 1.5 mg/L to 17 mg/L were detected in groundwater samples collected from three wells (MW-5R, MW-22, and MW-23) above the CUL of 1 mg/L. Nitrite concentrations were within historical limits except for historical highs in MW-14 and MW-23.
- 1,2-DCP concentrations ranging from 0.013 mg/L to 0.37 mg/L were detected in groundwater samples collected from six wells (MW-9, MW-12R, MW-16, MW-19, MW-23, and MW-24) above the CUL of 0.005 mg/L, where analyzed. 1,2-DCP concentrations were within historical limits except for historical highs in MW-23 and MW-24.
- Dinoseb concentrations ranging from 0.0077 mg/L to 0.12 mg/L were detected in groundwater samples collected from three wells (MW-4R, MW-12R, and MW-16) above the CUL of 0.007 mg/L, where analyzed. Dinoseb concentrations were within historical limits.

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- Total arsenic concentrations ranging from 0.011 mg/L to 0.029 mg/L were detected in groundwater samples collected from 14 wells (MW-1, MW-4R, MW-7, MW-8, MW-10, MW-11, MW-12R, MW-13, MW-15, MW-17, MW-18, MW-19, MW-20, and MW-23) equal to or above the CUL of 0.01 mg/L. Total arsenic concentrations were within historical limits except for historical lows at MW-14, MW-21, and MW-24.
- A benzene concentration of 0.0056 mg/L was detected in the groundwater sample collected from one well (MW-12R) above the CUL of 0.005 mg/L, where analyzed. Benzene concentrations were within historical limits.
- A chlorobenzene concentration of 0.12 mg/L was detected in the groundwater sample collected from one well (MW-12R) above the CUL of 0.1 mg/L, where analyzed. Chlorobenzene concentrations were within historical limits.
- Total manganese concentrations of 2.4 mg/L and 3.4 mg/L were detected in the groundwater samples collected from two wells (MW-5R and MW-22) above the CUL of 2.2 mg/L, where analyzed. The total manganese concentrations were within historical limits.

Total iron, 2,4-dichlorophenoxyacetic acid (2,4-D), and 2-methylnaphthalene were not detected above their respective CULs in samples that were analyzed for these parameters. Total iron, 2,4-D, and 2-methylnaphthalene concentrations were within historical limits except for a 2,4-D historical high at MW-5R and a total iron historical low at MW-16.

3.1.2 Monitoring Parameter Results

The following is a summary of the 1Q24 post-EISB groundwater monitoring results for EISB monitoring parameters. Monitoring parameter concentrations were compared with historical results at each well to evaluate if concentrations were within historical limits, defined as within 5% of previous historical high or low concentrations at that well location. **Table 2** includes data from First Quarter 2020 to present; historical data used in the historical limit evaluation are not all included in **Table 2** and were provided in previous reports. If less than three results were available for an analyte at a single well location, a historical comparison was not performed.

- Biochemical oxygen demand (BOD) was detected in groundwater samples from five Site wells, where analyzed, at concentrations ranging from 2.0 mg/L (MW-12R) to 13 mg/L (MW-23). BOD concentrations were within historical limits except for a historical high at well MW-9.
- Dissolved iron was detected in groundwater samples from nine Site wells, where analyzed, at concentrations ranging from 0.025 J (estimated) mg/L (MW-21) to 0.97 mg/L (MW-23). Dissolved iron concentrations were within historical limits except for historical lows at MW-16 and MW-22.

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- Sulfate was detected in groundwater samples from 15 Site wells, where analyzed, at concentrations ranging from 23 mg/L (MW-19) to 530 mg/L (MW-5R). Sulfate concentrations were within historical limits except for a historical high at MW-23 and historical lows at MW-13 and MW-22.
- Alkalinity was measured in groundwater samples from 15 Site wells, where analyzed, at concentrations ranging from 140 mg/L (MW-19) to 1,500 mg/L (MW-23). Alkalinity concentrations were within historical limits except for a historical high at MW-24.
- Ammonia was detected in groundwater samples from seven Site wells, where analyzed, at concentrations ranging from 0.080 mg/L (MW-21) to 210 mg/L (MW-4R). Ammonia concentrations were within historical limits except for historical lows at MW-5R, MW-8, and MW-22 and a historical high at MW-23.
- Phosphorus was detected in nine Site wells, where analyzed, at concentrations ranging from 0.071 mg/L (MW-5R) to 2.0 mg/L (MW-3). Phosphorus concentrations were within historical limits except for historical lows at MW-5R, MW-16, and MW-24 and a historical high at MW-19.

3.2 QUALITY ASSURANCE/QUALITY CONTROL RESULTS

Sample receiving or analysis issues reported by the laboratory are detailed in the qualifiers and case narratives in the laboratory reports in **Appendix B**. The full laboratory notes are available in the case narratives, but a few key issues that affected sample analysis as reported by the laboratory are summarized below:

- Due to FedEx shipping delays, laboratory error, or laboratory re-analysis requirements, samples collected from wells MW-1, MW-7, MW-10, MW-11, MW-13, MW-14, MW-17, MW-18, MW-20, MW-21, and MW-24 for nitrite analysis and wells MW-1, MW-11, MW-21, and MW-23 for BOD analysis were analyzed outside of laboratory holding times and qualified as "H" on **Table 2**.
- Manganese was detected in samples collected from wells MW-4R, MW-8, and MW-22 and the associated method blank and qualified as "B" on **Table 2**; sample results were greater than ten times the value found in the method blank and therefore, not considered to be impacted by the method blank contamination, so associated samples were not re-extracted and/or re-analyzed.

Two field duplicate samples (MW-8-WD-240314 from well MW-8 and MW-17-WD-240312 from well MW-17) were collected per the required frequency in the GW CMP. The relative percent difference (RPD) was evaluated using Equation 1 and the results are summarized in **Appendix C**.

$$RPD = \left[\frac{|S - D|}{(S + D) \div 2} \right] \times 100$$

Equation 1

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Where: RPD = Relative Percent Difference

S = First Sample Value (original)

D = Second Sample Value (duplicate)

The average RPD was 2.88%, indicating acceptable sample collection procedures and precision by the analytical laboratory for each given method and analytical batch.

Four field equipment blanks (EB-1-W-240311, EB-1-W-240312, EB-1-W-240313, and EB-1-W-240314) were collected following decontamination of the non-dedicated sampling equipment (i.e., water level indicator) after sampling of wells MW-1, MW-20, MW-15, and MW-8, respectively, and submitted for laboratory analysis. In EB-1-W-240311, sulfate was detected at a concentration of 5.8 mg/L, nitrate was detected at a concentration of 0.14 mg/L, and alkalinity was detected at a concentration of 6.4 J mg/L. In EB-1-W-240312, nitrate was detected at a concentration of 0.14 mg/L. In EB-1-W-240314, sulfate was detected at a concentration of 0.56 J mg/L. A DI water blank (WB-1-W-240314) was collected to assess the DI water as a source for contaminants found in field equipment blank analysis. In the water blank, nitrate was detected at a concentration of 0.14 mg/L, sulfate was detected at a concentration of 6.1 J mg/L, alkalinity was detected at a concentration of 6.7 J mg/L, 2-butanone was detected at a concentration of 0.0013 J mg/L, and acetone was detected at a concentration of 0.0040 J mg/L. Acetone and 2-butanone are common laboratory contaminants. Detections of nitrate, sulfate, and alkalinity in the equipment blanks and water blank were of similar magnitude and indicate the DI water is the source of the equipment blank detections. Therefore, equipment decontamination is evaluated as sufficient.

Four trip blanks were submitted for VOC analysis in association with groundwater samples. There were no detections in the trip blanks, indicating proper sample handling.

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4.0 Evaluation

Per the GW CMP, EISB and MNA performance monitoring data are to be evaluated on a semi-annual basis by:

- Evaluating EISB and MNA mechanisms through an analysis of the following geochemical indicators at the Site: BOD, alkalinity, sulfate, dissolved or ferrous iron, and ORP.
- Analyzing plume stability using:
 - The Mann-Kendall non-parametric statistical analysis on a well-by-well basis; and
 - Groundwater plume iso-concentrations over time.

These evaluations were performed utilizing the 1Q24 data, and the results are summarized below.

4.1 EISB AND MNA GEOCHEMICAL INDICATOR EVALUATION

The GW CMP identified four EISB monitoring parameters for determining whether groundwater is influenced by EISB or is under MNA conditions: alkalinity, BOD, ferrous iron, and sulfate. In First Quarter 2020, prior to implementation of the Phase I EISB remedy, pre-treatment threshold concentrations were calculated using historical groundwater monitoring data. These calculations were completed as detailed in the *Pre-Treatment Groundwater Monitoring Report*, dated July 2, 2020 (Stantec, 2020b) using United States Environmental Protection Agency (EPA) ProUCL software version 5.1 (EPA, 2016) for alkalinity, BOD, and ferrous iron and EPA Scout software (EPA, 2008) for sulfate. Since the initial calculation, pre-treatment threshold concentrations were calculated using the same methods for well MW-8, and the assumptions used for well MW-21 were applied to new wells MW-22, MW-23, and MW-24. Also, the calculation for ferrous iron was updated to dissolved iron using the dissolved iron laboratory analytical results in place of ferrous iron field test kit results. The resulting pre-treatment threshold concentrations are summarized in **Table 3**.

EISB monitoring parameter concentrations were compared to calculated pre-treatment threshold concentrations to determine if groundwater at a well is classified as under MNA or EISB conditions. Monitoring parameters that were above (for alkalinity, BOD, or ferrous iron) or below (for sulfate) (i.e., outside) calculated pre-treatment threshold concentrations were highlighted in orange on **Table 2**; parameters within calculated pre-treatment threshold concentrations were highlighted in green.

For this evaluation, groundwater at a well is generally defined as under EISB conditions if it meets the following conditions:

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- 1) at least two EISB parameters were outside the calculated threshold concentrations (see paragraph above) listed in **Table 3**; or
- 2) one EISB parameter was outside its calculated threshold concentration listed in **Table 3** and a trend of EISB conditions (i.e., results outside pre-treatment threshold concentrations) at the well has been observed during at least two consecutive recent sampling events for this parameter.

Therefore, detections of two or more EISB parameters outside the calculated threshold concentrations during a single sampling event or detection of one EISB parameter outside the calculated threshold concentrations over at least two consecutive sampling events would define groundwater in a well as under EISB conditions. However, only one detection of one EISB parameter outside the calculated threshold concentrations during a single sampling event would not define groundwater in a well as under EISB conditions (e.g., during the 1Q22 event, the alkalinity concentration at MW-9 would not classify the well as under EISB conditions). This evaluation considers that naturally fluctuating concentrations have been observed at the Site unrelated to EISB injections. Wells not designated as under EISB conditions are defined as under MNA conditions. Case-by-case determinations may be made going forward on whether the groundwater concentrations indicate EISB or MNA conditions at the monitoring well locations, and the determination process may be modified in the future as more data are evaluated.

Based on a comparison of the 1Q24 analytical results (**Table 2**) to the calculated threshold concentrations (**Table 3**), three wells yielded data consistent with EISB conditions during 1Q24: MW-5R, MW-13 and MW-23. At well MW-5R, one EISB monitoring parameter (alkalinity at a concentration of 980 mg/L) was outside of the threshold concentration (366 mg/L) following a trend of alkalinity concentrations outside of the threshold concentration (consecutively for 13 sampling events since 3Q20). At well MW-13, two EISB monitoring parameters (sulfate and alkalinity at concentrations of 92 mg/L, and 270 mg/L, respectively) were outside of the threshold concentrations (102.8 mg/L and 262.8 mg/L, respectively); both parameters have been outside of the threshold concentrations for three consecutive sampling events since 3Q23. At well MW-23, one EISB monitoring parameter (alkalinity at a concentration of 1,500 mg/L) was outside of the threshold concentration (711 mg/L) following a trend of alkalinity concentrations outside of the threshold concentration (consecutively for three sampling events since 3Q23). In addition, the ORP levels at wells MW-5R and MW-23 were -43.7 mV and -40.1 mV, respectively, providing another line of evidence that the aquifer in these locations is under reducing conditions, which are necessary for denitrification to occur. The number of EISB monitoring parameters outside of the threshold concentrations is decreasing at these well locations, indicating that the EISB treatment capacity from the Phase II acetate injections appears to be decreasing at these locations as it is consumed by bacteria and/or dispersed through the aquifer. This response was expected and has been indicated previously at other monitoring wells near injection wells (MW-4R, MW-12R, MW-13, and MW-21).

For the 1Q24 event, the following monitoring wells had BOD, dissolved iron, sulfate, or alkalinity concentrations within threshold concentrations that were consistent with MNA conditions: MW-1,

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MW-3, MW-4R, MW-8, MW-9, MW-11, MW-12R, MW-16, MW-19, MW-21, MW-22, and MW-24. EISB and MNA conditions were not monitored at MW-7, MW-10, MW-14, MW-15, MW-17, MW-18, and MW-20 because the wells are generally outside of the plume and EISB treatment zones.

4.2 PLUME STABILITY

4.2.1 Groundwater Plume Iso-concentrations

To assess plume stability, current groundwater plume iso-concentrations and groundwater plume iso-concentrations over time were evaluated. Current 1Q24 groundwater plume iso-concentrations are shown on **Figures 4 through 7**. The iso-concentrations from the 1Q20 pre-treatment sampling event were compared to post-EISB groundwater iso-concentrations from 3Q21, 1Q22, and 3Q22 (during the period after the Phase I EISB monitoring program had ended but before Phase II EISB injections) as well as 1Q24 post-EISB iso-concentrations (after the Phase II EISB monitoring program had ended and the transition had been made to post-EISB monitoring). These groundwater iso-concentration trend maps are included as Figures D-1 through D-4 in

Appendix D.

As shown on **Figure 4**, the maximum nitrate concentration was observed in well MW-3 (180 mg/L) during the 1Q24 event. Source area wells MW-4R, MW-8, MW-12R, and MW-22 and down-gradient wells MW-9, MW-13, MW-16, MW-21, and MW-23 also had nitrate concentrations above the CUL of 10 mg/L. Nitrate concentrations below the CUL in down-gradient and cross-gradient wells MW-5R, MW-14, MW-15, MW-17, MW-18, MW-19, and MW-20 define the Site nitrate plume to the east, west, and south.

As shown in Figure D-1 in **Appendix D**, the nitrate plume size has decreased overall since 1Q20, most notably in the area of the plume with concentrations above 100 mg/L. The overall 1Q24 nitrate plume area was approximately 8.8% smaller when compared to 1Q20 pre-treatment conditions. In addition, the area within the nitrate 100 mg/L iso-concentration was approximately 64% smaller in 1Q24 versus 1Q20.

As shown on **Figure 5**, the maximum dinoseb concentration was observed in well MW-12R (0.12 mg/L). Source area well MW-4R and down-gradient well MW-16 also had dinoseb concentrations above the CUL of 0.007 mg/L. Dinoseb concentrations in down-gradient, cross-gradient, and up-gradient wells MW-3, MW-5R, MW-9, MW-13, MW-15, MW-19, and MW-21 through MW-24 were below the CUL, defining the edges of the Site dinoseb plume boundary.

As shown in Figure D-2 in **Appendix D**, the dinoseb plume size has decreased overall since 1Q20. The overall 1Q24 dinoseb plume area was approximately 57.6% smaller when compared to 1Q20 pre-treatment conditions. In 1Q24, there were no longer dinoseb concentrations above 0.7 mg/L, and wells that had previously been within the dinoseb plume boundary (MW-3, MW-9, and MW-23) currently have concentrations below the 0.007 mg/L CUL.

As shown in **Figure 6**, the maximum 1,2-DCP concentration was observed in well MW-12R (0.37 mg/L). Source area well MW-4R and down-gradient wells MW-9, MW-16, MW-19, MW-23,

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and MW-24 also had 1,2-DCP concentrations above the CUL of 0.005 mg/L. 1,2-DCP concentrations in down-gradient, cross-gradient, and up-gradient wells MW-3, MW-13, MW-15, and MW-21 were below the CUL, defining the edges of the Site 1,2-DCP plume.

As shown in Figure D-3 in **Appendix D**, there was no significant difference in the 1,2-DCP plume extents between 1Q20 and 1Q24; the change in plume size was approximately 8.3% larger in 1Q24; however, the magnitude of concentrations has decreased and in 1Q24 there were no longer 1,2-DCP concentrations above 0.5 mg/L.

As shown on **Figure 7**, total arsenic concentrations exceeding the CUL of 0.01 mg/L do not follow a similar distribution as the other Site IHSs and do not appear to be exclusively associated with historical operations at the Site. The maximum concentration of arsenic in 1Q24 was in well MW-11, which is the furthest up-gradient well. Total arsenic concentrations equal to or exceeding the CUL were present: 1) in up-gradient, source area, and down-gradient wells in the west, central, and east/southeast portions of the Site (MW-4R, MW-8, MW-10, MW-11, MW-12R, MW-15, MW-17, and MW-23); 2) in two wells in the northern portion of the Site (MW-1 and MW-7); and 3) in four wells at the southeast extent of the Site (MW-13, MW-18, MW-19, and MW-20). Total arsenic concentrations in down-gradient and cross-gradient wells MW-3, MW-5R, MW-9, MW-14, MW-16, MW-21, MW-22, and MW-24 were below the CUL, defining the separation of the Site arsenic plume boundaries.

As shown in Figure D-4 in **Appendix D**, the arsenic plume size has increased overall since 1Q20, specifically in the source area (wells MW-5R and MW-8) and the area down-gradient of the source area (wells MW-17 and MW-23). The overall 1Q24 arsenic plume area was approximately 36.3% larger when compared to 1Q20 pre-treatment conditions. This is expected because the EISB groundwater remedy directly increases the mobility of arsenic from aquifer soil and secondarily decreases the capacity of the aquifer to adsorb arsenic by reducing the amount of adsorbent minerals (iron and manganese oxides) in the water-bearing zone (i.e., generating more reducing aquifer conditions). As arsenic migrates out of the treatment zone where adsorbent capacity might be depleted, the residual contaminants in groundwater are attenuated by naturally-occurring iron and manganese oxides adsorbing and re-sequestering the ions (i.e., returning to more oxidizing aquifer conditions). This is reflected in the down-gradient wells (MW-9, MW-16, MW-21, and MW-24) that were below the CUL and define the separation of the Site arsenic plume boundaries.

4.2.2 Plume Trend Analysis

The IHS concentrations from the 1Q24 groundwater monitoring event were compared to CULs. When an IHS exceeded the CUL at a well location, a trend analysis was performed using the Mann-Kendall trend test in the Ecology Package A, Natural Attenuation Analysis Tool Package (Ecology, 2005). Trends were not analyzed at wells that indicated EISB conditions for more than one parameter or for analytes where concentrations were below the method detection limit (MDL) or CUL. The trend analysis was completed using the maximum amount of monitoring events (16) unless there were insufficient data available or there was a gap greater than 3 years

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in the historical data; generally, this includes a data range from 3Q16 to present. In addition, to avoid bias of the trend evaluation by the EISB remedy when EISB conditions were indicated at a well, concentration data from that sampling event for constituents that are directly affected by EISB (e.g., nitrate, dinoseb, arsenic, iron, and manganese) were not included in the trend analysis, while concentration data for constituents that are not directly affected by EISB (i.e., VOCs) were retained. The calculation software outputs are provided for each applicable well in **Appendix E**.

Table 4 summarizes the trend of each analyzed IHS that exceeded its CUL at a monitoring well during the 1Q24 monitoring event, excluding any wells that indicated EISB conditions. Only analytes that exceeded CULs are shown in the table. The status of the concentration trends for each IHS is further summarized below. No exceedances of total iron, 2,4-D, or 2-methylnaphthalene were indicated, and those IHSs are excluded from the discussion.

- **Nitrate:** Collectively, nitrate concentrations through 1Q24 generally indicate stable or decreasing trends within the plume. Nitrate concentrations exceeded the CUL at 10 of the 23 well locations (MW-3, MW-4R, MW-8, MW-9, MW-12R, MW-13, MW-16, MW-21, MW-22, and MW-23; as shown on **Figure 4**); two of these wells (MW-13 and MW-23) are under EISB conditions and trends were not calculated. Nitrate concentrations in three wells within the nitrate plume (MW-4R, MW-8, and MW-21) indicate decreasing trends (**Table 4**). Nitrate concentrations indicate an increasing trend at one well (MW-3) within the nitrate plume and a stable trend at four wells (MW-9, MW-12R, MW-16, and MW-22) located within or down-gradient of the Site source area in the northern and central portion of the overall plume area.
- **Nitrite:** Nitrite concentrations exceeded the CUL at three of the 23 well locations (MW-5R, MW-22, and MW-23); two of these wells (MW-5R and MW-23) are under EISB conditions and trends were not calculated. The nitrite concentrations at well MW-22 indicate an increasing trend within the plume, though the 1Q24 concentration is within historical limits and the concentration has decreased since the previous sampling event.
- **Dinoseb:** Collectively, dinoseb concentrations through 1Q24 indicate a decreasing trend in the source area. Dinoseb concentrations exceeded the CUL at three of the 13 well locations where it was analyzed (MW-4R, MW-12R, and MW-16; as shown on **Figure 5**). Dinoseb concentrations at well MW-4R indicate a decreasing trend (**Table 4**) in the north-central portion of the source area and at well MW-12R indicate a decreasing trend within the eastern portion of the source area. Dinoseb concentrations at well MW-16 indicate an increasing trend in the down-gradient portion of the plume, though the 1Q24 concentration is within historical limits.
- **1,2-DCP:** Collectively, the 1,2-DCP concentrations through 1Q24 indicate stable trends within the source area and a decreasing trend down-gradient. 1,2-DCP concentrations exceeded the CUL at six of the 13 well locations where it was analyzed (MW-9, MW-12R, MW-16, MW-19, MW-23, and MW-24; as shown on **Figure 6**); one of these wells (MW-23) is

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under EISB conditions and trends were not calculated. 1,2-DCP concentrations at three wells (MW-9, MW-12R, and MW-24) indicate stable trends in the northern, eastern, and central portion of the plume (**Table 4**). 1,2-DCP concentrations at well MW-16 indicate a decreasing trend in the down-gradient portion of the plume, while the trend at down-gradient well MW-19 is undetermined.

- **Benzene and Chlorobenzene:** These VOCs exceeded their CULs at one of the 13 well locations where they were analyzed (MW-12R). Both constituents' concentrations indicate stable trends (**Table 4**) at this location within the eastern portion of the source area.
- **Total Arsenic:** Total arsenic concentrations through 1Q24 generally indicate stable or decreasing trends at the Site with separate areas exceeding the CUL (as shown on **Figure 7**). Decreasing trends were indicated in wells MW-10, MW-11, MW-12R, MW-18, and MW-19; stable trends were indicated in wells MW-4R, MW-7, MW-8, MW-15, and MW-20. (**Table 4**). Concentrations at wells MW-1 and MW-17 indicate an increasing trend. The trends at wells MW-13 and MW-23 were not analyzed due to EISB conditions.
 - Following the process outlined in Section 3.3.2 of the GW CMP, a statistical approach evaluating the arsenic concentrations at the Site as a whole was utilized. In addition, a remediation level for arsenic in groundwater at the Site per Washington Administrative Code 173-340-355 was defined in the *Groundwater Remedy Engineering Design Report* (Stantec, 2016). A Site-wide total arsenic 95% upper confidence limit concentration (UCL95) of 0.0152 mg/L was calculated for 1Q24 using EPA ProUCL software, which is below the total arsenic remediation level of 0.04 mg/L.
 - As discussed in Section 4.2.1, the EISB groundwater remedy likely directly increases the mobility of arsenic from aquifer soil and secondarily decreases the capacity of the aquifer to adsorb arsenic by reducing the amount of adsorbent minerals (iron and manganese oxides) in the water-bearing zone (i.e., generating more reducing aquifer conditions). Arsenic will tend to resorb to soil after returning to more oxidizing aquifer conditions, which appears to be occurring with the decreasing trends observed in select wells.
- **Total Manganese:** Total manganese concentrations exceeded the CUL at two of the 23 well locations (MW-5R and MW-22) where it was analyzed; well MW-5R is under EISB conditions and trends were not calculated. The total manganese concentrations at well MW-22 indicate a stable trend.

In addition to the Mann-Kendall trend analysis, hydrographs were prepared for each well using groundwater elevations and concentrations for key constituents from the historical monitoring period (Third Quarter 2005 to present) to illustrate trends over time. These hydrographs are included in **Appendix F**. The hydrographs were generally consistent with the Mann-Kendall trend analysis results.

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5.0 Conclusions and Recommendations

The 1Q24 semi-annual groundwater monitoring event continues post-Phase II EISB groundwater monitoring requirements. As stated in Section 2.0, the objectives of the post-EISB monitoring per the GW CMP were to:

- Assess the progress of the groundwater remedy throughout the Site groundwater plume, including both EISB and MNA performance, as applicable; and
- Maintain monitoring of the Site boundary monitoring wells in addition to the Site POC wells or wells within the nitrate groundwater plume.

The EISB monitoring parameter concentrations during this event indicated that Site groundwater remained under or returned to MNA conditions in all but three wells: MW-5R, MW-13, and MW-23; however, the groundwater appears to be transitioning out of EISB conditions, with only one EISB monitoring parameter remaining outside the calculated threshold concentrations in wells MW-5R and MW-23 (alkalinity) and two parameters at well MW-13 (sulfate and alkalinity). The IHS data support this observed transition; although EISB conditions have been indicated at wells MW-5R and MW-23, as demonstrated by nitrate concentrations below reporting limits and elevated concentrations of metals (e.g., total manganese), increasing nitrate concentrations and decreasing metals concentrations have been observed at these wells over the last two or three sampling events.

Comparison of iso-concentrations from the 1Q20 Phase I pre-treatment sampling event to the 1Q24 post-Phase II EISB sampling event and considering trends, the nitrate plume footprint decreased overall, most notably in the area of the plume with concentrations above 100 mg/L. The overall dinoseb plume size decreased by more than 50%; in 1Q24, there were no dinoseb concentrations above 0.7 mg/L and concentrations are currently below the CUL in several wells that had previously been within the plume boundary. There was no significant change in the 1,2-DCP plume extent; however, the magnitude of concentrations decreased and in 1Q24, there were no 1,2-DCP concentrations above 0.5 mg/L. The distribution of total arsenic continues to differ from the distribution of other Site IHSs and appears not to be exclusively related to historical Site operations. The arsenic plume sizes have increased overall, specifically in the source area and the area down-gradient of the source area. This increased mobility is expected due to the Phase II EISB groundwater remedy implementation; however, the lower concentrations in the further down-gradient wells demonstrate that residual metals in groundwater are being attenuated before reaching these locations.

It is recommended that the semi-annual post-EISB groundwater remedy performance monitoring program continue.

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TABLES

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-1	3Q05	09/28/05	749.45	11.67	737.78
	4Q05	01/11/06	749.45	10.74	738.71
	1Q06	03/28/06	749.45	11.12	738.33
	2Q06	06/26/06	749.45	11.29	738.16
	3Q06	09/18/06	749.45	11.87	737.58
	4Q06	12/18/06	749.45	11.39	738.06
	1Q07	03/19/07	749.45	11.35	738.10
	2Q07	06/25/07	749.45	11.68	737.77
	3Q07	09/18/07	749.45	11.81	737.64
	4Q07	12/17/07	749.45	11.18	738.27
	1Q08	03/11/08	749.45	11.30	738.15
	2Q08	06/16/08	749.45	11.70	737.75
	3Q08	09/08/08	749.45	11.94	737.51
	1Q09	03/10/09	749.45	11.47	737.98
	3Q09	09/14/09	749.45	12.25	737.20
	1Q10	03/09/10	749.45	11.04	738.41
	3Q10	08/30/10	749.45	11.78	737.67
	1Q11	03/08/11	749.45	11.21	738.24
	3Q11	09/12/11	749.45	11.75	737.70
	1Q12	03/12/12	749.45	11.24	738.21
	3Q12	08/29/12	749.45	11.67	737.78
	1Q13	03/04/13	749.45	11.41	738.04
	3Q13	08/22/13	749.45	12.98	736.47
	4Q13	12/02/13	749.45	11.65	737.80
	1Q14	03/10/14	749.45	11.23	738.22
	2Q14	05/19/14	749.45	11.36	738.09
	3Q14	09/08/14	749.45	11.80	737.65
	1Q15	02/13/15	749.45	11.05	738.40
	3Q15	08/11/15	749.45	11.85	737.60
	1Q16	02/22/16	749.45	10.85	738.60
	3Q16	08/22/16	749.45	11.89	737.56
	1Q17	02/28/17	749.45	10.30	739.15
	3Q17	09/19/17	749.45	11.80	737.65
	1Q18	03/05/18	749.45	11.25	738.20
	3Q18	08/27/18	749.45	12.01	737.44
	1Q19	03/19/19	749.45	10.95	738.50
	3Q19	08/19/19	749.45	11.94	737.51
	1Q20	03/09/20	749.45	11.56	737.89
	3Q20	08/31/20	749.45	11.97	737.48
	4Q20	11/11/20	749.45	7.65	741.80
	1Q21	02/23/21	749.45	11.30	738.15
	2Q21	05/11/21	749.45	11.58	737.87
	3Q21	09/14/21	749.45	11.63	737.82
	1Q22	03/28/22	749.45	11.55	737.90
	3Q22	07/11/22	749.45	11.60	737.85
	4Q22	12/06/22	749.45	11.62	737.83
	1Q23	03/06/23	749.45	11.38	738.07
	2Q23	05/16/23	749.45	11.54	737.91
	3Q23	08/21/23	749.45	12.20	737.25
	4Q23	12/05/23	749.45	11.64	737.81
	1Q24	03/11/24	749.45	11.09	738.36

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-3	3Q05	09/28/05	744.52	7.23	737.29
	4Q05	01/11/06	744.52	5.31	739.21
	1Q06	03/28/06	744.52	6.68	737.84
	2Q06	06/26/06	744.52	6.72	737.80
	3Q06	09/18/06	744.52	7.50	737.02
	4Q06	12/18/06	744.52	6.40	738.12
	1Q07	03/19/07	744.52	6.93	737.59
	2Q07	06/25/07	744.52	7.18	737.34
	3Q07	09/18/07	744.52	7.35	737.17
	4Q07	12/17/07	744.52	6.49	738.03
	1Q08	03/11/08	744.52	6.85	737.67
	2Q08	06/16/08	744.52	7.11	737.41
	3Q08	09/08/08	744.52	7.60	736.92
	1Q09	03/10/09	744.52	6.71	737.81
	3Q09	09/14/09	744.52	7.86	736.66
	1Q10	03/09/10	744.52	6.52	738.00
	3Q10	08/30/10	744.52	7.40	737.12
	1Q11	03/08/11	744.52	6.78	737.74
	3Q11	09/12/11	744.52	7.30	737.22
	1Q12	03/12/12	744.52	6.79	737.73
	3Q12	08/29/12	744.52	7.20	737.32
	1Q13	03/04/13	744.52	7.01	737.51
	3Q13	08/22/13	744.52	7.72	736.80
	4Q13	12/02/13	744.52	7.15	737.37
	1Q14	03/10/14	744.52	6.48	738.04
	2Q14	05/19/14	744.52	6.82	737.70
	3Q14	09/08/14	744.52	7.35	737.17
	1Q15	02/13/15	744.52	6.49	738.03
	3Q15	08/11/15	744.52	7.32	737.20
	1Q16	02/22/16	744.52	6.29	738.23
	3Q16	08/22/16	744.52	7.39	737.13
	1Q17	02/28/17	744.52	5.13	739.39
	3Q17	09/18/17	744.52	7.24	737.28
	1Q18	03/05/18	744.52	6.85	737.67
	3Q18	08/27/18	744.52	7.45	737.07
	1Q19	03/19/19	744.52	6.00	738.52
	3Q19	08/19/19	744.52	7.32	737.20
	1Q20	03/09/20	744.52	7.09	737.43
	3Q20	08/31/20	744.52	7.41	737.11
	4Q20	11/11/20	744.52	7.09	737.43
	1Q21	02/23/21	744.52	6.42	738.10
	2Q21	05/11/21	744.52	7.15	737.37
	3Q21	09/14/21	744.52	7.20	737.32
	1Q22	03/28/22	744.52	7.04	737.48
	3Q22	07/11/22	744.52	6.88	737.64
	4Q22	12/06/22	744.52	7.10	737.42
	1Q23	03/06/23	744.52	6.52	738.00
	2Q23	05/16/23	744.52	7.03	737.49
	3Q23	08/21/23	744.52	7.70	736.82
	4Q23	12/05/23	744.52	6.64	737.88
	1Q24	03/11/24	744.52	6.54	737.98

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-4	3Q05	09/28/05	744.65	8.30	736.35
	4Q05	01/11/06	744.65	7.03	737.62
	1Q06	03/28/06	744.65	7.83	736.82
	2Q06	06/26/06	744.65	9.15	735.50
	3Q06	09/18/06	744.65	8.52	736.13
	4Q06	12/18/06	744.65	7.80	736.85
	1Q07	03/19/07	744.65	8.07	736.58
	2Q07	06/25/07	744.65	8.31	736.34
	3Q07	09/18/07	744.65	8.45	736.20
	4Q07	12/17/07	744.65	7.68	736.97
	1Q08	03/11/08	744.65	8.04	736.61
	2Q08	06/16/08	744.65	8.32	736.33
	3Q08	09/08/08	744.65	8.82	735.83
	1Q09	03/10/09	744.65	8.04	736.61
	3Q09	09/14/09	744.65	8.96	735.69
	1Q10	03/09/10	744.65	7.71	736.94
	3Q10	08/30/10	744.65	8.54	736.11
	1Q11	03/08/11	744.65	7.94	736.71
	3Q11	09/12/11	744.65	8.45	736.20
	1Q12	03/12/12	744.65	7.90	736.75
	3Q12	08/29/12	744.65	8.30	736.35
	1Q13	03/04/13	744.65	8.13	736.52
	3Q13	08/22/13	744.65	8.46	736.19
	4Q13	12/02/13	744.65	8.27	736.38
	1Q14	03/10/14	744.65	7.68	736.97
	2Q14	05/19/14	744.65	7.98	736.67
	Well Destroyed in June 2014				
MW-4R	1Q15	02/13/15	745.52	7.68	737.84
	3Q15	08/11/15	745.52	8.47	737.05
	1Q16	02/22/16	745.52	7.11	738.41
	3Q16	08/22/16	745.52	8.45	737.07
	1Q17	02/28/17	745.52	6.05	739.47
	3Q17	09/19/17	745.52	8.34	737.18
	1Q18	03/05/18	745.52	8.08	737.44
	3Q18	08/27/18	745.52	8.63	736.89
	1Q19	03/19/19	745.52	7.04	738.48
	3Q19	08/19/19	745.52	8.48	737.04
	1Q20	03/09/20	745.52	8.34	737.18
	3Q20	08/31/20	745.52	8.55	736.97
	4Q20 ¹²	11/11/20	745.52	8.32	737.20
	1Q21	02/23/21	745.52	7.84	737.68
	2Q21	05/11/21	745.52	8.32	737.20
	3Q21	09/14/21	745.52	8.47	737.05
	1Q22	03/28/22	745.52	8.23	737.29
	3Q22	07/11/22	745.52	8.15	737.37
	4Q22	12/06/22	745.52	8.29	737.23
	1Q23	03/06/23	745.52	7.97	737.55
	2Q23	05/16/23	745.52	8.23	737.29
	3Q23	08/21/23	745.52	8.77	736.75
	4Q23	12/05/23	745.52	8.12	737.40
	1Q24	03/11/24	745.52	7.80	737.72

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-5	3Q05	09/28/05	744.70	7.82	736.88
	4Q05	01/11/06	744.70	6.50	738.20
	1Q06	03/28/06	744.70	7.36	737.34
	2Q06	06/26/06	744.70	7.46	737.24
	3Q06	09/18/06	744.70	8.03	736.67
	4Q06	12/18/06	744.70	7.34	737.36
	1Q07	03/19/07	744.70	7.62	737.08
	2Q07	06/25/07	744.70	7.99	736.71
	3Q07	09/18/07	744.70	7.97	736.73
	4Q07	12/17/07	744.70	7.21	737.49
	1Q08	03/11/08	744.70	7.67	737.03
	2Q08	06/16/08	744.70	7.90	736.80
	3Q08	09/08/08	744.70	8.15	736.55
	1Q09	03/10/09	744.70	7.70	737.00
	3Q09	09/14/09	744.70	8.45	736.25
	1Q10	03/09/10	744.70	7.30	737.40
	3Q10	08/30/10	744.70	8.04	736.66
	1Q11	03/08/11	744.70	7.50	737.20
	3Q11 ⁸	09/12/11	744.70	NA	NA
	1Q12	03/12/12	744.70	7.41	737.29
	3Q12	08/29/12	744.70	7.75	736.95
	1Q13	03/04/13	744.70	7.67	737.03
	3Q13	08/22/13	744.70	8.01	736.69
	4Q13	12/02/13	744.70	7.76	736.94
	1Q14	03/10/14	744.70	7.26	737.44
	2Q14	05/19/14	744.70	7.50	737.20
	Well Destroyed in June 2014				
MW-5R	1Q15	02/13/15	745.47	7.29	738.18
	3Q15	08/11/15	745.47	8.03	737.44
	1Q16	02/22/16	745.47	6.93	738.54
	3Q16	08/22/16	745.47	7.98	737.49
	1Q17	02/28/17	745.47	5.63	739.84
	3Q17	09/19/17	745.47	7.87	737.60
	1Q18	03/05/18	745.47	7.70	737.77
	3Q18	08/27/18	745.47	8.11	737.36
	1Q19	03/19/19	745.47	6.90	738.57
	3Q19	08/19/19	745.47	8.09	737.38
	1Q20	03/09/20	745.47	7.88	737.59
	3Q20	08/31/20	745.47	8.14	737.33
	4Q20	11/11/20	745.47	7.84	737.63
	1Q21	02/23/21	745.47	7.53	737.94
	2Q21	05/11/21	745.47	7.94	737.53
	3Q21	09/14/21	745.47	8.08	737.39
	1Q22	03/28/22	745.47	7.84	737.63
	3Q22	07/11/22	745.47	7.78	737.69
	4Q22	12/06/22	745.47	7.85	737.62
	1Q23	03/06/23	745.47	7.79	737.68
	2Q23	05/16/23	745.47	7.80	737.67
	3Q23	08/21/23	745.47	8.27	737.20
	4Q23	12/05/23	745.47	7.74	737.73
	1Q24	03/11/24	745.47	7.04	738.43

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-6	3Q05	09/28/05	745.35	6.71	738.64
	4Q05	01/11/06	745.35	5.51	739.84
	1Q06	03/28/06	745.35	6.37	738.98
	2Q06	06/26/06	745.35	6.51	738.84
	3Q06	09/18/06	745.35	6.95	738.40
	4Q06	12/18/06	745.35	6.26	739.09
	1Q07	03/19/07	745.35	6.62	738.73
	2Q07	06/25/07	745.35	7.60	737.75
	3Q07	09/18/07	745.35	6.90	738.45
	4Q07	12/17/07	745.35	6.18	739.17
	1Q08	03/11/08	745.35	6.76	738.59
	2Q08	06/16/08	745.35	6.98	738.37
	3Q08	09/08/08	745.35	7.15	738.20
	1Q09	03/10/09	745.35	6.85	738.50
	3Q09	09/14/09	745.35	7.48	737.87
	1Q10	03/09/10	745.35	6.32	739.03
	3Q10	08/30/10	745.35	6.95	738.40
	1Q11	03/08/11	745.35	6.48	738.87
	3Q11	09/12/11	745.35	6.81	738.54
	1Q12	03/12/12	745.35	6.35	739.00
	3Q12	08/29/12	745.35	6.57	738.78
	1Q13	03/04/13	745.35	6.64	738.71
	3Q13	08/22/13	745.35	6.90	738.45
	4Q13	12/02/13	745.35	6.70	738.65
	1Q14	03/10/14	745.35	6.35	739.00
	2Q14	05/19/14	745.35	6.50	738.85
	3Q14	09/08/14	745.35	6.74	738.61
	1Q15	02/13/15	745.35	6.12	739.23
	3Q15	08/11/15	745.35	6.82	738.53
	1Q16	02/22/16	745.35	5.97	739.38
	3Q16	08/22/16	745.35	6.70	738.65
	1Q17	02/28/17	745.35	4.85	740.50
	3Q17	09/18/17	745.35	6.57	738.78
	1Q18	03/05/18	745.35	6.50	738.85
	3Q18	08/27/18	745.35	7.03	738.32
	1Q19	03/19/19	745.35	5.80	739.55
	3Q19	08/19/19	745.35	6.90	738.45
	1Q20	03/09/20	745.35	7.84	737.51
	3Q20	08/31/20	745.35	6.94	738.41
	4Q20	11/11/20	745.35	6.62	738.73
	1Q21	02/23/21	745.35	6.22	739.13
	2Q21	05/11/21	745.35	6.76	738.59
	3Q21	09/14/21	745.35	6.86	738.49
	1Q22	03/28/22	745.35	6.74	738.61
	3Q22	07/11/22	745.35	6.59	738.76
	4Q22	12/06/22	745.35	6.64	738.71
	1Q23	03/06/23	745.35	6.50	738.85
	2Q23	05/16/23	745.35	6.79	738.56
	3Q23 ¹³	08/21/23	745.35	NA	NA
	4Q23 ¹³	12/05/23	745.35	NA	NA
	1Q24 ¹³	03/11/24	745.35	NA	NA

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-7	3Q05	09/28/05	748.27	10.65	737.62
	4Q05	01/11/06	748.27	9.76	738.51
	1Q06	03/28/06	748.27	10.22	738.05
	2Q06	06/26/06	748.27	10.39	737.88
	3Q06	09/18/06	748.27	10.85	737.42
	4Q06	12/18/06	748.27	10.45	737.82
	1Q07	03/19/07	748.27	10.39	737.88
	2Q07	06/25/07	748.27	10.69	737.58
	3Q07	09/18/07	748.27	10.79	737.48
	4Q07	12/17/07	748.27	10.22	738.05
	1Q08	03/11/08	748.27	10.42	737.85
	2Q08	06/16/08	748.27	10.75	737.52
	3Q08	09/08/08	748.27	10.91	737.36
	1Q09	03/10/09	748.27	10.50	737.77
	3Q09	09/14/09	748.27	11.25	737.02
	1Q10	03/09/10	748.27	10.15	738.12
	3Q10	08/30/10	748.27	10.78	737.49
	1Q11	03/08/11	748.27	10.30	737.97
	3Q11	09/12/11	748.27	10.78	737.49
	1Q12	03/12/12	748.27	10.30	737.97
	3Q12	08/29/12	748.27	10.60	737.67
	1Q13	03/04/13	748.27	10.45	737.82
	3Q13	08/22/13	748.27	11.01	737.26
	4Q13	12/02/13	748.27	10.68	737.59
	1Q14	03/10/14	748.27	10.41	737.86
	2Q14	05/19/14	748.27	10.45	737.82
	3Q14	09/08/14	748.27	10.82	737.45
	1Q15	02/13/15	748.27	10.11	738.16
	3Q15	08/11/15	748.27	10.93	737.34
	1Q16	02/22/16	748.27	10.00	738.27
	3Q16	08/22/16	748.27	10.93	737.34
	1Q17	02/28/17	748.27	9.13	739.14
	3Q17	09/19/17	748.27	10.94	737.33
	1Q18	03/05/18	748.27	10.41	737.86
	3Q18	08/27/18	748.27	11.10	737.17
	1Q19	03/19/19	748.27	10.03	738.24
	3Q19	08/19/19	748.27	10.99	737.28
	1Q20	03/09/20	748.27	10.65	737.62
	3Q20	08/31/20	748.27	11.08	737.19
	4Q20	11/11/20	748.27	10.75	737.52
	1Q21	02/23/21	748.27	10.42	737.85
	2Q21	05/11/21	748.27	10.67	737.60
	3Q21	09/14/21	748.27	11.11	737.16
	1Q22	03/28/22	748.27	10.65	737.62
	3Q22	07/11/22	748.27	10.70	737.57
	4Q22	12/06/22	748.27	10.77	737.50
	1Q23	03/06/23	748.27	10.57	737.70
	2Q23	05/16/23	748.27	10.68	737.59
	3Q23	08/21/23	748.27	11.35	736.92
	4Q23	12/05/23	748.27	10.76	737.51
	1Q24	03/11/24	748.27	10.38	737.89

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-8	3Q05	09/28/05	744.88	7.04	737.84
	4Q05	01/11/06	744.88	5.58	739.30
	1Q06	03/28/06	744.88	6.48	738.40
	2Q06	06/26/06	744.88	6.59	738.29
	3Q06	09/18/06	744.88	7.28	737.60
	4Q06	12/18/06	744.88	6.38	738.50
	1Q07	03/19/07	744.88	6.67	738.21
	2Q07	06/25/07	744.88	7.03	737.85
	3Q07	09/18/07	744.88	7.15	737.73
	4Q07	12/17/07	744.88	6.28	738.60
	1Q08	03/11/08	744.88	6.65	738.23
	2Q08	06/16/08	744.88	7.01	737.87
	3Q08	09/08/08	744.88	7.39	737.49
	1Q09	03/10/09	744.88	6.61	738.27
	3Q09	09/14/09	744.88	7.79	737.09
	1Q10	03/09/10	744.88	6.45	738.43
	3Q10	08/30/10	744.88	7.20	737.68
	1Q11	03/08/11	744.88	6.52	738.36
	3Q11	09/12/11	744.88	7.18	737.70
	1Q12	03/12/12	744.88	6.57	738.31
	3Q12	08/29/12	744.88	7.05	737.83
	1Q13	03/04/13	744.88	6.75	738.13
	3Q13	08/22/13	744.88	7.31	737.57
	4Q13	12/02/13	744.88	7.00	737.88
	1Q14	03/10/14	744.88	6.39	738.49
	2Q14	05/19/14	744.88	6.68	738.20
	3Q14	09/08/14	744.88	7.13	737.75
	1Q15	02/13/15	744.88	6.30	738.58
	3Q15	08/11/15	744.88	7.09	737.79
	1Q16	02/22/16	744.88	6.30	738.58
	3Q16	08/22/16	744.88	7.11	737.77
	1Q17	02/28/17	744.88	5.12	739.76
	3Q17	09/19/17	744.88	7.00	737.88
	1Q18	03/05/18	744.88	6.59	738.29
	3Q18	08/27/18	744.88	7.27	737.61
	1Q19	03/19/19	744.88	6.22	738.66
	3Q19	08/19/19	744.88	7.09	737.79
	1Q20	03/09/20	744.88	6.93	737.95
	3Q20	08/31/20	744.88	7.30	737.58
	4Q20	11/11/20	744.88	6.90	737.98
	1Q21	02/23/21	744.88	6.44	738.44
	2Q21	05/11/21	744.88	6.95	737.93
	3Q21	09/14/21	744.88	7.22	737.66
	1Q22	03/28/22	744.88	6.91	737.97
	3Q22	07/11/22	744.88	6.66	738.22
	4Q22	12/06/22	744.88	6.73	738.15
	1Q23	03/06/23	744.88	6.44	738.44
	2Q23	05/16/23	744.88	6.81	738.07
	3Q23	08/21/23	744.88	7.54	737.34
	4Q23	12/05/23	744.88	6.90	737.98
	1Q24	03/11/24	744.88	6.40	738.48

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-9	3Q05	09/28/05	744.77	8.31	736.46
	4Q05	01/11/06	744.77	7.04	737.73
	1Q06	03/28/06	744.77	7.91	736.86
	2Q06	06/26/06	744.77	8.45	736.32
	3Q06	09/18/06	744.77	8.45	736.32
	4Q06	12/18/06	744.77	7.86	736.91
	1Q07	03/19/07	744.77	8.15	736.62
	2Q07	06/25/07	744.77	8.65	736.12
	3Q07	09/18/07	744.77	8.40	736.37
	4Q07	12/17/07	744.77	7.78	736.99
	1Q08	03/11/08	744.77	8.11	736.66
	2Q08	06/16/08	744.77	8.34	736.43
	3Q08 ⁴	09/10/08	744.77	8.61	736.16
	1Q09 ⁶	03/12/09	744.77	8.15	736.62
	3Q09	09/14/09	744.77	8.74	736.03
	1Q10	03/09/10	744.77	7.75	737.02
	3Q10	08/30/10	744.77	8.50	736.27
	1Q11	03/08/11	744.77	8.00	736.77
	3Q11	09/12/11	744.77	8.34	736.43
	1Q12	03/12/12	744.77	8.00	736.77
	3Q12	08/29/12	744.77	8.24	736.53
	1Q13	03/04/13	744.77	8.23	736.54
	3Q13	08/22/13	744.77	8.49	736.28
	4Q13	12/02/13	744.77	8.17	736.60
	1Q14	03/10/14	744.77	7.80	736.97
	2Q14	05/19/14	744.77	8.12	736.65
	3Q14	09/08/14	744.77	8.27	736.50
	1Q15	02/13/15	744.77	7.72	737.05
	3Q15	08/11/15	744.77	8.40	736.37
	1Q16	02/22/16	744.77	7.53	737.24
	3Q16	08/22/16	744.77	8.37	736.40
	1Q17 ¹¹	03/02/17	744.77	6.34	738.43
	3Q17	09/18/17	744.77	8.26	736.51
	1Q18	03/05/18	744.77	7.69	737.08
	3Q18	08/27/18	744.77	8.57	736.20
	1Q19	03/19/19	744.77	7.37	737.40
	3Q19	08/19/19	744.77	8.41	736.36
	1Q20	03/09/20	744.77	8.28	736.49
	3Q20	08/31/20	744.77	8.45	736.32
	4Q20	11/11/20	744.77	8.25	736.52
	1Q21	02/23/21	744.77	7.79	736.98
	2Q21	05/11/21	744.77	8.28	736.49
	3Q21	09/14/21	744.77	8.45	736.32
	1Q22	03/28/22	744.77	8.22	736.55
	3Q22	07/11/22	744.77	8.08	736.69
	4Q22	12/06/22	744.77	8.28	736.49
	1Q23	03/06/23	744.77	7.98	736.79
	2Q23	05/16/23	744.77	8.22	736.55
	3Q23	08/21/23	744.77	8.66	736.11
	4Q23	12/05/23	744.77	8.10	736.67
	1Q24	03/11/24	744.77	7.79	736.98

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-10	3Q05	09/28/05	745.95	6.48	739.47
	4Q05	01/11/06	745.95	5.46	740.49
	1Q06	03/28/06	745.95	6.21	739.74
	2Q06	06/26/06	745.95	6.35	739.60
	3Q06	09/18/06	745.95	6.75	739.20
	4Q06	12/18/06	745.95	6.45	739.50
	1Q07	03/19/07	745.95	6.43	739.52
	2Q07	06/25/07	745.95	6.88	739.07
	3Q07	09/18/07	745.95	6.70	739.25
	4Q07	12/17/07	745.95	6.06	739.89
	1Q08	03/11/08	745.95	6.59	739.36
	2Q08	06/16/08	745.95	6.81	739.14
	3Q08	09/08/08	745.95	6.95	739.00
	1Q09	03/10/09	745.95	6.72	739.23
	3Q09	09/14/09	745.95	7.30	738.65
	1Q10	03/09/10	745.95	6.09	739.86
	3Q10	08/30/10	745.95	6.74	739.21
	1Q11	03/08/11	745.95	6.31	739.64
	3Q11	09/12/11	745.95	6.54	739.41
	1Q12	03/12/12	745.95	6.16	739.79
	3Q12	08/29/12	745.95	6.30	739.65
	1Q13	03/04/13	745.95	6.42	739.53
	3Q13	08/22/13	745.95	6.72	739.23
	4Q13	12/02/13	745.95	6.50	739.45
	1Q14	03/10/14	745.95	6.36	739.59
	2Q14	05/19/14	745.95	6.29	739.66
	3Q14	09/08/14	745.95	6.59	739.36
	1Q15	02/13/15	745.95	5.91	740.04
	3Q15	08/11/15	745.95	6.58	739.37
	1Q16	02/22/16	745.95	5.80	740.15
	3Q16	08/22/16	745.95	6.46	739.49
	1Q17	02/28/17	745.95	4.83	741.12
	3Q17	09/19/17	745.95	6.32	739.63
	1Q18	03/05/18	745.95	6.23	739.72
	3Q18	08/27/18	745.95	6.81	739.14
	1Q19	03/19/19	745.95	5.75	740.20
	3Q19	08/19/19	745.95	6.71	739.24
	1Q20	03/09/20	745.95	6.63	739.32
	3Q20	08/31/20	745.95	6.70	739.25
	4Q20	11/11/20	745.95	6.38	739.57
	1Q21	02/23/21	745.95	6.00	739.95
	2Q21	05/11/21	745.95	6.55	739.40
	3Q21	09/14/21	745.95	6.64	739.31
	1Q22	03/28/22	745.95	6.52	739.43
	3Q22	07/11/22	745.95	6.38	739.57
	4Q22	12/06/22	745.95	6.33	739.62
	1Q23	03/06/23	745.95	6.38	739.57
	2Q23	05/16/23	745.95	6.59	739.36
	3Q23	08/21/23	745.95	7.00	738.95
	4Q23	12/05/23	745.95	6.38	739.57
	1Q24	03/11/24	745.95	6.39	739.56

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-11	3Q05	09/28/05	745.66	6.01	739.65
	4Q05	01/11/06	745.66	5.03	740.63
	1Q06	03/28/06	745.66	5.85	739.81
	2Q06	06/26/06	745.66	5.99	739.67
	3Q06	09/18/06	745.66	6.30	739.36
	4Q06	12/18/06	745.66	5.72	739.94
	1Q07	03/19/07	745.66	6.07	739.59
	2Q07	06/25/07	745.66	6.50	739.16
	3Q07	09/18/07	745.66	6.21	739.45
	4Q07	12/17/07	745.66	5.71	739.95
	1Q08	03/11/08	745.66	6.29	739.37
	2Q08	06/16/08	745.66	6.41	739.25
	3Q08	09/08/08	745.66	6.47	739.19
	1Q09	03/10/09	745.66	6.40	739.26
	3Q09	09/14/09	745.66	6.80	738.86
	1Q10	03/09/10	745.66	5.83	739.83
	3Q10	08/30/10	745.66	6.20	739.46
	1Q11	03/08/11	745.66	5.95	739.71
	3Q11	09/12/11	745.66	6.05	739.61
	1Q12	03/12/12	745.66	5.82	739.84
	3Q12	08/29/12	745.66	5.82	739.84
	1Q13	03/04/13	745.66	6.05	739.61
	3Q13	08/22/13	745.66	6.20	739.46
	4Q13	12/02/13	745.66	6.08	739.58
	1Q14	03/10/14	745.66	5.87	739.79
	2Q14	05/19/14	745.66	5.91	739.75
	3Q14	09/08/14	745.66	6.24	739.42
	1Q15	02/13/15	745.66	5.57	740.09
	3Q15	08/11/15	745.66	6.05	739.61
	1Q16	02/22/16	745.66	5.52	740.14
	3Q16	08/22/16	745.66	5.95	739.71
	1Q17	02/28/17	745.66	4.55	741.11
	3Q17	09/18/17	745.66	5.81	739.85
	1Q18	03/05/18	745.66	5.88	739.78
	3Q18	08/27/18	745.66	6.28	739.38
	1Q19	03/19/19	745.66	5.25	740.41
	3Q19	08/19/19	745.66	6.19	739.47
	1Q20	03/09/20	745.66	6.38	739.28
	3Q20	08/31/20	745.66	6.18	739.48
	4Q20	11/11/20	745.66	5.96	739.70
	1Q21	02/23/21	745.66	5.58	740.08
	2Q21	05/11/21	745.66	8.14	737.52
	3Q21	09/14/21	745.66	6.11	739.55
	1Q22	03/28/22	745.66	6.19	739.47
	3Q22	07/11/22	745.66	5.92	739.74
	4Q22	12/06/22	745.66	6.05	739.61
	1Q23	03/06/23	745.66	6.04	739.62
	2Q23	05/16/23	745.66	6.25	739.41
	3Q23	08/21/23	745.66	6.50	739.16
	4Q23	12/05/23	745.66	5.96	739.70
	1Q24	03/11/24	745.66	5.96	739.70

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-12	3Q05	09/28/05	744.59	8.85	735.74
	4Q05	01/11/06	744.59	7.55	737.04
	1Q06	03/28/06	744.59	8.36	736.23
	2Q06	06/26/06	744.59	8.36	736.23
	3Q06	09/18/06	744.59	9.05	735.54
	4Q06 ³	12/18/06	744.59	8.45	736.14
	1Q07	03/19/07	744.59	8.59	736.00
	2Q07	06/25/07	744.59	8.80	735.79
	3Q07	09/18/07	744.59	8.95	735.64
	4Q07	12/17/07	744.59	8.27	736.32
	1Q08	03/11/08	744.59	8.49	736.10
	2Q08	06/16/08	744.59	8.78	735.81
	3Q08	09/08/08	744.59	9.09	735.50
	1Q09	03/10/09	744.59	8.54	736.05
	3Q09	09/14/09	744.59	9.32	735.27
	1Q10	03/09/10	744.59	8.21	736.38
	3Q10	08/30/10	744.59	8.98	735.61
	1Q11	03/08/11	744.59	8.50	736.09
	3Q11	09/12/11	744.59	8.85	735.74
	1Q12	03/12/12	744.59	8.45	736.14
	3Q12	08/29/12	744.59	8.75	735.84
	1Q13	03/04/13	744.59	8.65	735.94
	3Q13	08/22/13	744.59	8.94	735.65
	4Q13	12/02/13	744.59	8.81	735.78
	1Q14	03/10/14	744.59	8.25	736.34
	2Q14	05/19/14	744.59	8.46	736.13
	Well Destroyed in June 2014				
MW-12R	1Q15	02/13/15	745.11	7.85	737.26
	3Q15	08/11/15	745.11	8.58	736.53
	1Q16	02/22/16	745.11	7.73	737.38
	3Q16	08/22/16	745.11	8.57	736.54
	1Q17	02/28/17	745.11	6.85	738.26
	3Q17	09/18/17	745.11	8.48	736.63
	1Q18	03/05/18	745.11	8.17	736.94
	3Q18	08/27/18	745.11	8.68	736.43
	1Q19	03/19/19	745.11	7.39	737.72
	3Q19	08/19/19	745.11	8.58	736.53
	1Q20	03/09/20	745.11	8.40	736.71
	3Q20	08/31/20	745.11	8.65	736.46
	4Q20	11/11/20	745.11	8.48	736.63
	1Q21	02/23/21	745.11	8.16	736.95
	2Q21	05/11/21	745.11	8.43	736.68
	3Q21	09/14/21	745.11	8.62	736.49
	1Q22	03/28/22	745.11	8.24	736.87
	3Q22	07/11/22	745.11	8.18	736.93
	4Q22	12/06/22	745.11	8.42	736.69
	1Q23	03/06/23	745.11	8.15	736.96
	2Q23	05/16/23	745.11	8.26	736.85
	3Q23	08/21/23	745.11	8.79	736.32
	4Q23	12/05/23	745.11	8.27	736.84
	1Q24	03/11/24	745.11	7.82	737.29

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-13	2Q07	06/25/07	744.38	9.89	734.49
	3Q07	09/18/07	744.38	9.85	734.53
	4Q07	12/17/07	744.38	9.48	734.90
	1Q08	03/11/08	744.38	9.61	734.77
	2Q08	06/16/08	744.38	9.80	734.58
	3Q08 ⁵	09/08/08	744.38	NA	NA
	1Q09 ⁷	03/12/09	744.38	9.76	734.62
	3Q09 ⁷	09/17/09	744.38	10.10	734.28
	1Q10	03/09/10	744.38	9.51	734.87
	3Q10	08/30/10	744.38	9.85	734.53
	1Q11	03/08/11	744.38	9.61	734.77
	3Q11	09/12/11	744.38	9.76	734.62
	1Q12	03/12/12	744.38	9.53	734.85
	3Q12	08/29/12	744.38	9.73	734.65
	1Q13	03/04/13	744.38	9.68	734.70
	3Q13	08/22/13	744.38	9.84	734.54
	4Q13	12/02/13	744.38	9.75	734.63
	1Q14	03/10/14	744.38	9.46	734.92
	2Q14	05/19/14	744.38	9.58	734.80
	3Q14	09/08/14	744.38	9.68	734.70
	1Q15	02/13/15	744.38	9.40	734.98
	3Q15	08/11/15	744.38	9.77	734.61
	1Q16	02/22/16	744.38	9.35	735.03
	3Q16	08/22/16	744.38	9.78	734.60
	1Q17	02/28/17	744.38	8.84	735.54
	3Q17	09/18/17	744.38	9.69	734.69
	1Q18	03/05/18	744.38	9.67	734.71
	3Q18	08/27/18	744.38	9.94	734.44
	1Q19	03/19/19	744.38	9.23	735.15
	3Q19	08/19/19	744.38	9.85	734.53
	1Q20	03/09/20	744.38	9.79	734.59
	3Q20	08/31/20	744.38	9.81	734.57
	4Q20	11/11/20	744.38	9.60	734.78
	1Q21	02/23/21	744.38	9.30	735.08
	2Q21	05/11/21	744.38	9.62	734.76
	3Q21	09/14/21	744.38	9.71	734.67
	1Q22	03/28/22	744.38	9.65	734.73
	3Q22	07/11/22	744.38	9.57	734.81
	4Q22	12/06/22	744.38	9.66	734.72
	1Q23	03/06/23	744.38	9.55	734.83
	2Q23	05/16/23	744.38	9.69	734.69
	3Q23	08/21/23	744.38	9.90	734.48
	4Q23	12/05/23	744.38	9.52	734.86
	1Q24	03/11/24	744.38	9.49	734.89

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-14	3Q13	08/22/13	744.98	8.04	736.94
	4Q13	12/02/13	744.98	7.89	737.09
	1Q14	03/10/14	744.98	7.69	737.29
	2Q14	05/19/14	744.98	7.72	737.26
	3Q14 ¹⁰	09/10/14	744.98	7.94	737.04
	1Q15	02/13/15	744.98	7.38	737.60
	3Q15	08/11/15	744.98	7.99	736.99
	1Q16	02/22/16	744.98	6.99	737.99
	3Q16	08/22/16	744.98	7.87	737.11
	1Q17 ¹¹	03/02/17	744.98	6.17	738.81
	3Q17	09/19/17	744.98	7.70	737.28
	1Q18	03/05/18	744.98	7.78	737.20
	3Q18	08/27/18	744.98	8.15	736.83
	1Q19	03/19/19	744.98	7.05	737.93
	3Q19	08/19/19	744.98	7.92	737.06
	1Q20	03/09/20	744.98	8.05	736.93
	3Q20	08/31/20	744.98	8.04	736.94
	4Q20	11/11/20	744.98	7.85	737.13
	1Q21	02/23/21	744.98	7.34	737.64
	2Q21	05/11/21	744.98	7.98	737.00
	3Q21	09/14/21	744.98	7.97	737.01
	1Q22	03/28/22	744.98	7.98	737.00
	3Q22	07/11/22	744.98	7.77	737.21
	4Q22	12/06/22	744.98	7.87	737.11
	1Q23	03/06/23	744.98	7.64	737.34
	2Q23	05/16/23	744.98	8.00	736.98
	3Q23	08/21/23	744.98	8.29	736.69
	4Q23	12/05/23	744.98	7.66	737.32
	1Q24	03/11/24	744.98	7.70	737.28
MW-15	3Q13	08/22/13	746.37	11.73	734.64
	4Q13	12/02/13	746.37	11.71	734.66
	1Q14	03/10/14	746.37	11.30	735.07
	2Q14	05/19/14	746.37	11.39	734.98
	3Q14	09/08/14	746.37	11.70	734.67
	1Q15	02/13/15	746.37	11.24	735.13
	3Q15	08/11/15	746.37	11.72	734.65
	1Q16	02/22/16	746.37	11.10	735.27
	3Q16	08/22/16	746.37	11.73	734.64
	1Q17 ¹¹	03/01/17	746.37	10.33	736.04
	3Q17	09/18/17	746.37	11.69	734.68
	1Q18	03/05/18	746.37	11.41	734.96
	3Q18	08/27/18	746.37	11.75	734.62
	1Q19	03/19/19	746.37	10.97	735.40
	3Q19	08/19/19	746.37	11.67	734.70
	1Q20	03/09/20	746.37	11.55	734.82
	3Q20	08/31/20	746.37	11.67	734.70
	4Q20	11/11/20	746.37	11.65	734.72
	1Q21	02/23/21	746.37	11.36	735.01
	2Q21	05/11/21	746.37	11.50	734.87
	3Q21	09/14/21	746.37	11.79	734.58
	1Q22	03/28/22	746.37	11.54	734.83
	3Q22	07/11/22	746.37	11.43	734.94
	4Q22	12/06/22	746.37	11.67	734.70
	1Q23	03/06/23	746.37	11.42	734.95
	2Q23	05/16/23	746.37	11.42	734.95
	3Q23	08/21/23	746.37	11.80	734.57
	4Q23	12/05/23	746.37	11.59	734.78
	1Q24	03/11/24	746.37	11.15	735.22

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-16	3Q13	08/22/13	744.93	9.33	735.60
	4Q13	12/02/13	744.93	9.21	735.72
	1Q14	03/10/14	744.93	8.86	736.07
	2Q14 ⁹	05/21/14	744.93	9.02	735.91
	3Q14	09/08/14	744.93	9.17	735.76
	1Q15	02/13/15	744.93	8.77	736.16
	3Q15	08/11/15	744.93	9.30	735.63
	1Q16	02/22/16	744.93	8.63	736.30
	3Q16	08/22/16	744.93	9.23	735.70
	1Q17	02/28/17	744.93	7.83	737.10
	3Q17	09/18/17	744.93	9.15	735.78
	1Q18	03/05/18	744.93	9.06	735.87
	3Q18	08/27/18	744.93	9.45	735.48
	1Q19	03/19/19	744.93	8.55	736.38
	3Q19	08/19/19	744.93	9.32	735.61
	1Q20	03/09/20	744.93	9.27	735.66
	3Q20	08/31/20	744.93	9.34	735.59
	4Q20	11/11/20	744.93	9.18	735.75
	1Q21	02/23/21	744.93	8.90	736.03
	2Q21	05/11/21	744.93	9.20	735.73
	3Q21	09/14/21	744.93	9.34	735.59
	1Q22	03/28/22	744.93	9.20	735.73
	3Q22	07/11/22	744.93	9.00	735.93
	4Q22	12/06/22	744.93	9.19	735.74
	1Q23	03/06/23	744.93	9.05	735.88
	2Q23	05/16/23	744.93	9.21	735.72
	3Q23	08/21/23	744.93	9.54	735.39
	4Q23 ¹⁴	12/05/23	744.93	NA	NA
	1Q24	03/11/24	744.93	8.90	736.03
MW-17	3Q13	08/22/13	745.44	10.97	734.47
	4Q13	12/02/13	745.44	10.88	734.56
	1Q14	03/10/14	745.44	10.83	734.61
	2Q14	05/19/14	745.44	10.56	734.88
	3Q14	09/08/14	745.44	10.87	734.57
	1Q15	02/13/15	745.44	10.38	735.06
	3Q15	08/11/15	745.44	10.93	734.51
	1Q16	02/22/16	745.44	10.22	735.22
	3Q16	08/22/16	745.44	10.90	734.54
	1Q17	02/28/17	745.44	9.41	736.03
	3Q17	09/18/17	745.44	10.88	734.56
	1Q18	03/05/18	745.44	10.58	734.86
	3Q18	08/27/18	745.44	11.00	734.44
	1Q19	03/19/19	745.44	10.25	735.19
	3Q19	08/19/19	745.44	10.90	734.54
	1Q20	03/09/20	745.44	10.72	734.72
	3Q20	08/31/20	745.44	10.95	734.49
	4Q20	11/11/20	745.44	10.86	734.58
	1Q21	02/23/21	745.44	10.58	734.86
	2Q21	05/11/21	745.44	10.75	734.69
	3Q21	09/14/21	745.44	11.02	734.42
	1Q22	03/28/22	745.44	10.75	734.69
	3Q22	07/11/22	745.44	10.59	734.85
	4Q22	12/06/22	745.44	10.84	734.60
	1Q23	03/06/23	745.44	10.58	734.86
	2Q23	05/16/23	745.44	10.65	734.79
	3Q23	08/21/23	745.44	11.05	734.39
	4Q23	12/05/23	745.44	10.78	734.66
	1Q24	03/11/24	745.44	10.34	735.10

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-18	3Q13	08/22/13	744.98	13.51	731.47
	4Q13	12/02/13	744.98	13.57	731.41
	1Q14	03/10/14	744.98	13.54	731.44
	2Q14	05/19/14	744.98	13.52	731.46
	3Q14	09/08/14	744.98	13.60	731.38
	1Q15	02/13/15	744.98	13.52	731.46
	3Q15	08/11/15	744.98	13.63	731.35
	1Q16	02/22/16	744.98	13.51	731.47
	3Q16	08/22/16	744.98	13.61	731.37
	1Q17	02/28/17	744.98	13.28	731.70
	3Q17	09/18/17	744.98	13.55	731.43
	1Q18	03/05/18	744.98	13.49	731.49
	3Q18	08/27/18	744.98	13.53	731.45
	1Q19	03/19/19	744.98	13.31	731.67
	3Q19	08/19/19	744.98	13.52	731.46
	1Q20	03/09/20	744.98	13.51	731.47
	3Q20	08/31/20	744.98	13.49	731.49
	4Q20	11/11/20	744.98	13.56	731.42
	1Q21	02/23/21	744.98	13.44	731.54
	2Q21	05/11/21	744.98	13.48	731.50
	3Q21	09/14/21	744.98	13.56	731.42
	1Q22	03/28/22	744.98	13.51	731.47
	3Q22	07/11/22	744.98	13.45	731.53
	4Q22	12/06/22	744.98	13.55	731.43
	1Q23	03/06/23	744.98	13.45	731.53
	2Q23	05/16/23	744.98	13.48	731.50
	3Q23	08/21/23	744.98	13.56	731.42
	4Q23	12/05/23	744.98	13.49	731.49
	1Q24	03/11/24	744.98	13.45	731.53
MW-19	3Q13	08/22/13	743.07	8.60	734.47
	4Q13	12/02/13	743.07	8.48	734.59
	1Q14	03/10/14	743.07	8.13	734.94
	2Q14	05/19/14	743.07	8.31	734.76
	3Q14	09/08/14	743.07	8.31	734.76
	1Q15	02/13/15	743.07	8.05	735.02
	3Q15	08/11/15	743.07	8.56	734.51
	1Q16	02/22/16	743.07	7.92	735.15
	3Q16	08/22/16	743.07	8.52	734.55
	1Q17	02/28/17	743.07	6.99	736.08
	3Q17	09/18/17	743.07	8.42	734.65
	1Q18	03/05/18	743.07	8.39	734.68
	3Q18	08/27/18	743.07	8.23	734.84
	1Q19	03/19/19	743.07	7.69	735.38
	3Q19	08/19/19	743.07	8.67	734.40
	1Q20	03/09/20	743.07	8.61	734.46
	3Q20	08/31/20	743.07	8.65	734.42
	4Q20	11/11/20	743.07	8.57	734.50
	1Q21	02/23/21	743.07	8.20	734.87
	2Q21	05/11/21	743.07	8.59	734.48
	3Q21	09/14/21	743.07	8.61	734.46
	1Q22	03/28/22	743.07	8.55	734.52
	3Q22	07/11/22	743.07	8.46	734.61
	4Q22	12/06/22	743.07	8.51	734.56
	1Q23	03/06/23	743.07	8.39	734.68
	2Q23	05/16/23	743.07	8.56	734.51
	3Q23	08/21/23	743.07	8.81	734.26
	4Q23	12/05/23	743.07	8.38	734.69
	1Q24	03/11/24	743.07	8.32	734.75

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-20	3Q13	08/22/13	744.10	12.79	731.31
	4Q13	12/02/13	744.10	12.82	731.28
	1Q14	03/10/14	744.10	12.65	731.45
	2Q14	05/19/14	744.10	12.70	731.40
	3Q14	09/08/14	744.10	12.78	731.32
	1Q15	02/13/15	744.10	12.65	731.45
	3Q15	08/11/15	744.10	12.80	731.30
	1Q16	02/22/16	744.10	12.62	731.48
	3Q16	08/22/16	744.10	12.77	731.33
	1Q17	02/28/17	744.10	12.31	731.79
	3Q17	09/18/17	744.10	12.80	731.30
	1Q18	03/05/18	744.10	12.75	731.35
	3Q18	08/27/18	744.10	12.84	731.26
	1Q19	03/19/19	744.10	12.54	731.56
	3Q19	08/19/19	744.10	12.78	731.32
	1Q20	03/09/20	744.10	12.76	731.34
	3Q20	08/31/20	744.10	12.80	731.30
	4Q20	11/11/20	744.10	12.82	731.28
	1Q21	02/23/21	744.10	12.40	731.70
	2Q21	05/11/21	744.10	12.77	731.33
	3Q21	09/14/21	744.10	12.88	731.22
	1Q22	03/28/22	744.10	12.76	731.34
	3Q22	07/11/22	744.10	12.77	731.33
	4Q22	12/06/22	744.10	12.83	731.27
	1Q23	03/06/23	744.10	12.76	731.34
	2Q23	05/16/23	744.10	12.76	731.34
	3Q23	08/21/23	744.10	12.88	731.22
	4Q23	12/05/23	744.10	12.79	731.31
	1Q24	03/11/24	744.10	12.66	731.44
MW-21	1Q20	03/09/20	744.81	8.36	736.45
	3Q20	08/31/20	744.81	8.41	736.40
	4Q20	11/11/20	744.81	8.20	736.61
	1Q21	02/23/21	744.81	7.75	737.06
	2Q21	05/11/21	744.81	8.30	736.51
	3Q21	09/14/21	744.81	8.35	736.46
	1Q22	03/28/22	744.81	8.26	736.55
	3Q22	07/11/22	744.81	8.05	736.76
	4Q22	12/06/22	744.81	8.11	736.70
	1Q23	03/06/23	744.81	8.01	736.80
	2Q23	05/16/23	744.81	8.29	736.52
	3Q23	08/21/23	744.81	8.58	736.23
	4Q23	12/05/23	744.81	8.03	736.78
	1Q24	03/11/24	744.81	7.90	736.91
MW-22	1Q22	03/28/22	745.20	6.71	738.49
	3Q22	07/11/22	745.20	7.80	737.40
	4Q22	12/06/22	745.20	6.72	738.48
	1Q23	03/06/23	745.20	6.26	738.94
	2Q23	05/16/23	745.20	6.84	738.36
	3Q23	08/21/23	745.20	7.61	737.59
	4Q23	12/05/23	745.20	6.33	738.87
	1Q24	03/11/24	745.20	6.24	738.96

Table 1
Cumulative Site Groundwater Elevations (Since 2005)
Bee-Jay Scales, Sunnyside, Washington

Well ID	Quarter ¹	Date	TOC Elevation ² (feet above MSL)	Depth to GW (feet below TOC)	GW Elevation (feet above MSL)
MW-23	1Q22	03/28/22	745.29	9.69	735.60
	3Q22	07/11/22	745.29	9.58	735.71
	4Q22	12/06/22	745.29	9.75	735.54
	1Q23	03/06/23	745.29	9.57	735.72
	2Q23	05/16/23	745.29	9.58	735.71
	3Q23	08/21/23	745.29	10.03	735.26
	4Q23	12/05/23	745.29	9.63	735.66
	1Q24	03/11/24	745.29	9.20	736.09
MW-24	1Q22	03/28/22	744.62	9.24	735.38
	3Q22	07/11/22	744.62	9.08	735.54
	4Q22	12/06/22	744.62	9.22	735.40
	1Q23	03/06/23	744.62	8.99	735.63
	2Q23	05/16/23	744.62	9.27	735.35
	3Q23	08/21/23	744.62	9.58	735.04
	4Q23	12/05/23	744.62	9.34	735.28
	1Q24	03/11/24	744.62	8.61	736.01

Notes: GW = groundwater NA = not accessible
MSL = mean sea level TOC = top of casing

¹ Sampling frequency reduced from quarterly to semi-annually following the 3Q08 event, increased to quarterly following the 1Q13 event, reduced to semi-annually following the 2Q14 event, increased to quarterly following the 1Q20 event, decreased to semi-annually following the 2Q21 event, increased to quarterly following the 3Q22 event, and decreased to semi-annually following the 4Q23 event.

² Based on 2020 and 2022 survey data using North American Vertical Datum of 1988 (NAVD88).

³ Depth to GW at MW-12 during 4Q06 taken just prior to sampling because well was covered by a drum during gauging.

⁴ Depth to GW at MW-9 during 3Q08 taken just prior to sampling because well was covered by boxes during gauging.

⁵ Depth to GW at MW-13 during 3Q08 not measured because well could not be opened.

⁶ Depth to GW at MW-9 during 1Q09 taken just prior to sampling because well was covered by boxes during gauging.

⁷ Depth to GW at MW-13 during 1Q09 & 3Q09 taken just prior to sampling because well could not be opened during gauging.

⁸ Depth to GW at MW-5 during 3Q11 not measured because there was biological hazard (wasp nest) adjacent to well.

⁹ Depth to GW at MW-16 during 2Q14 taken just prior to sampling because well was covered by pallets during gauging.

¹⁰ Depth to GW at MW-14 during 3Q14 taken just prior to sampling because well was covered by truck during gauging.

¹¹ Depth to GW at MW-9, MW-14, & MW-15 during 1Q17 taken just prior to sampling because well inaccessible during gauging.

¹² Depth to GW at MW-4R during 4Q20 was inaccurate on gauging log, so value from sampling form was used.

¹³ Depth to GW at MW-6 during 3Q23, 4Q23, and 1Q24 not measured because brush and metal debris covered well area.

¹⁴ Depth to GW at MW-16 during 4Q23 not measured because well was covered by pallets.

Table 2
Groundwater Analytical Results
 Bee-Jay Scales, Sunnyside, Washington

		Site Indicator Hazardous Substances											Enhanced In-Situ Bioremediation Monitoring Parameters						Field Parameters					
Groundwater Sample Analytes		Nitrate	Nitrite	Total Arsenic	Total Iron	Total Manganese	2,4-D	Dinoseb	Benzene	Chloro-benzene	1,2-DCP	2-MN	BOD	Dissolved Iron	Sulfate	Alkalinity	Ammonia	Total Phosphorus	Temperature	pH	Conductivity	DO	ORP	Turbidity
Analytical Method		EPA 353.2	EPA 353.2	EPA 6020B	EPA 6010D	EPA 6010D	EPA 8151A	EPA 8151A	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	SM 5210B	EPA 6010D	EPA 300.0	SM 2320B	SM 4500-NH ₃	EPA 365.1	Field	Field	Field	Field	Field	Field
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	Std Units	µS/cm	mg/L	mV	NTU
Groundwater CULs ^A		10	1	0.01	11.2	2.2	0.07	0.007	0.005	0.1	0.005	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Threshold Concentrations		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	> 64.2 ^B	> 1.90 ^C	Per Well ^B	Per Well ^B	NA	NA	NA	NA	NA	NA	NA	NA
Location	Sample Date																							
MW-1	03/10/20	7.3	<0.015	--	--	--	--	--	--	--	--	--	<2.0 H	<0.0412	37.7	234	--	--	10.6	8.01	442	0.59	120.5	3.67
	08/31/20	8.2	<0.015	--	--	--	--	--	--	--	--	--	<1.5	<0.041	35	230	--	--	21.3	7.86	588	0.48	45.8	8.16
	02/21/21	7.6	<0.015	--	--	--	--	--	--	--	--	--	<2.0 H	<0.041	35	250	--	--	13.6	7.75	481.9	1.10	69.7	5.53
	09/14/21	7.0	<0.015	0.01	--	--	--	--	--	--	--	--	<2.0	<0.041	9.4	230	--	--	17.1	7.90	513	0.92	78.1	2.29
	03/28/22	6.4	<0.015	0.011	--	--	--	--	--	--	--	--	<2.0	<0.082	42	230	--	--	14.3	7.78	491.1	2.88	54.9	13.7
	07/11/22	8.5	<0.015	0.012	--	--	--	--	--	--	--	--	<2.0	<0.082	38	230	--	--	18.1	7.87	552	2.36	25.0	7.22
	03/06/23	12	<0.015	--	--	--	--	--	--	--	--	--	11 H	<0.021	36	240	--	--	9.4	3.81*	435.4	2.99	344.3*	9.32
	08/21/23	8.3	<0.015 H	--	--	--	--	--	--	--	--	--	<2.0	<0.021	39	240	--	--	13.9	7.68	513	NA*	66.3	3.03
	03/11/24	7.8	<0.015 H	0.012	--	--	--	--	--	--	--	--	<2.0 H	0.032 J	34	240	--	--	13.2	7.95	475.3	2.23	156.9	9.94
MW-3	03/12/20	263	1.0	0.0096	0.297	1.04	0.0052	0.06	<0.0002	0.01	0.001	<0.002	30.3	<0.0412	147	290	273	2.5	13.1	7.90	2632	0.20	91.5	9.4
	09/03/20	270	4.6	0.011	<0.040	0.91	0.022	0.053	<0.0002	0.036	0.0042	<0.002	14	<0.041	220 J	360	370	2.6	18.8	7.83	3355	0.53	37.5	10.3
	11/12/20	320	0.49	0.0093	0.049 J B	0.95	0.013	0.039	<0.0002	0.033	0.0031	<0.002	18	<0.041	130	330	300	2.1	15.0	7.91	2905	0.34	2.4	12.5
	02/25/21	360	0.41 H	0.0081	0.48	1.5	0.0014	0.043	<0.0002	0.032	0.0017	<0.002	8.9 H	<0.041	140	290	250	2.0	13.2	7.55	2780	0.28	36.5	833
	05/12/21	24	0.49	0.0093	0.11 J	1.5	0.0013	0.051	<0.0002	0.015	0.0018	<0.002	10	0.043 J	150	300	310	2.4	14.5	8.01	3350	0.55	66.9	4.59
	09/17/21	330	0.50 H	0.008	<0.040	1.6	0.0004 J	0.039	<0.0003	0.031	0.0018	<0.002	8.1	<0.041	160	270	270	2.3	17.1	7.78	3495	7.78	81.5	1.11
	03/31/22	410	0.87 H	0.007	0.99 J	3.2	<0.00028	0.027	<0.0003	0.004	0.0015	<0.002	<2.0	<0.082	180	260	290	2.3	12.4	7.58	3738	0.95	86.0	2.53
	07/14/22	360	0.025 J	0.0064	<0.080	2.1	<0.00027	<0.0015	<0.0003	0.019	0.0011	<0.002	<2.0	<0.082	160	270	200	1.9	15.4	7.64	3337	0.70	77.8	1.10
	12/08/22	390	0.77	0.0096	<0.080	1.9	0.00048 J	0.036	<0.0003	0.0068	0.0019	<0.002	18	<0.082	170	290	290 H	2.4	11.0	7.70	3290	0.70	68.6	1.88
	03/09/23	350	0.017 J	0.0064	<0.020	2.3	<0.00023	0.018	<0.0003	0.0091	0.001	<0.002	4.7	<0.021	140	250	160	1.8	9.8	7.09	2503	0.43	87.9	1.13
	05/18/23	190	0.16	0.0071	0.032 J	1.6	<0.00028	0.015	<0.0003	0.0059	0.00059 J	<0.002	3.4	<0.021	93	240	120	2.2	12.0	7.59	1985	1.29	55.7	4.59
	08/24/23	340	<0.015	0.0085	0.026 J	1.4	0.00043 J	0.022	<0.0003	0.01	0.0013	<0.002	2.5	<0.021	160	280	250	3.5	17.4	8.26	3640	0.15	86.0	1.60
03/14/24	180	0.015 J	0.0073	0.055	1.3	<0.00028	0.0054	<0.0003	0.0054	0.00058 J	<0.002	6.0	<0.021	100	240	100	2.0	11.3	7.88	1858	2.62	114.0	1.86	
MW-4R	03/12/20	302	0.23	0.0169	0.0941 J	0.402	0.00036 J	0.1	<0.0005	0.0006 J	0.006	<0.002	4.78	<0.041	235	302	362	0.83	12.9	7.48	3207	0.34	109.7	38.1
	09/03/20	9.8	<0.15	0.074	1.2	0.44	<0.00026	<0.00029	<0.0002	0.00058 J	0.0064	<0.002	85	0.72	65	2,300	140	3.6	20.0	8.06	4116	0.05	-280.7	143
	11/12/20	160	1.0	0.022	0.44	0.25	<0.00025	0.027	<0.0002	0.00046 J	0.0062	<0.002	9.2	0.29	270	780	240	0.62	16.7	7.80	3069	0.37	-42.1	24.9
	02/25/21	230	0.29 H	0.011	0.073 J	0.38	<0.00025	0.044	<0.0002	0.00037 J	0.0048	<0.002	8.1 H	0.091 J	320	560	250	0.35	13.6	7.23	2724	0.28	-36.4	15.2
	05/12/21	17	0.16	0.0099	0.13 J	0.49	0.00028 J	0.059	<0.0002	0.0004 J	0.0065	<0.002	7.3	<0.041	240	390	370	0.27	16.3	7.63	3203	0.23	11.2	9.09
	09/17/21	350	0.22 H	0.012	<0.040	0.43	<0.00024	0.028 J	<0.0003	0.00062 J	0.0097	<0.002	7.2	<0.041	230	330	330	0.27	19.4	7.64	3261	0.26	-20.1	4.16
	04/01/22	250	0.12	0.01	0.096 J	0.61	<0.00028	0.021	<0.0003	0.00045 J	0.006	<0.002	3.5	<0.082	260	330	430	0.26	10.3	7.29	2781	0.60	113.1	3.85
	07/14/22	230	0.017 J	0.012	<0.080	0.53	<0.00026	0.0079	<0.0003	0.00050 J	0.0065	<0.002	4.7	<0.082	330	340	330	0.27	18.1	7.59	3081	0.61	33.8	2.93
	12/06/22	180	<0.015	0.0098	<0.080	0.34	0.00033 J	0.0097	<0.0003	<0.0003	0.0056	<0.002	4.2	<0.082	240	470	240	0.26	11.3	7.53	2504	0.63	-20.4	11.3
	03/09/23	180	<0.015	0.012	0.18	0.41	<0.00024	0.034	<0.0003	0.00046 J	0.0057	<0.002	<2.0	0.059	220	470	290	0.25	10.8	7.00	2322	0.42	11.8	7.87
	05/18/23	180	<0.015	0.011	0.11	0.42	<0.00029	0.054	<0.0003	0.00050 J	0.006	<0.002	<2.0	<0.021	200	420	310	0.22	13.4	7.66	2604	0.82	29.2	7.46
	08/24/23	220	<0.015	0.012	0.038 J	0.37 B	0.00030 J	0.013	<0.0003	0.00065 J	0.0072	<0.002	<2.0	<0.021	330	350	330	0.31	22.7	7.99	3230	NA*	-22.0	3.73
	12/07/23	140	0.16	0.012	0.20	0.42	<0.00024	0.030	<0.0003	0.00050 J	0.0068	<0.002	23	0.12	200	450	8.1	0.39	12.1	7.78	2105	NA*	-54.3	162
	03/14/24	100	<0.015	0.016	0.066	0.34 B	<0.00028	0.0077	<0.0003	0.00035 J	0.0049	<0.002	<2.0	<0.021	200	510	210	0.31	14.7	7.78	2288	3.20	84.4	6.38
	03/12/20	206	0.30	0.0065	0.741	0.665	<0.00024	<0.00027	<0.0002	<0.0002	<0.0002	<0.002	4.95	0.129 J	284	296	104	0.23	11.8	7.20	2245	2.77	126.4	554
MW-5R	09/02/20	<0.040	<0.15	0.077	7.2	8.2	<0.00026	<0.00029	<0.002	<0.002	<0.002	<0.02	3,200	3.2 B	32	3,700	18	2.3	22.4	7.69	8576	0.17	-290.0	199
	11/12/20	<0.040	<0.5	0.13	15	18	<0.00027	<0.0003	<0.0002	<0.0002	<0.0002	<0.002	>370	17	4.1 J	3,400	72	0.69	14.7	7.51	918	1.01	-186.3	82.9
	02/25/21	0.45	0.20 J H	0.062	5.4	1.0	<0.00025	<0.00028	<0.0002	<0.0002														

Table 2
Groundwater Analytical Results
 Bee-Jay Scales, Sunnyside, Washington

		Site Indicator Hazardous Substances										Enhanced In-Situ Bioremediation Monitoring Parameters						Field Parameters						
Groundwater Sample Analytes		Nitrate	Nitrite	Total Arsenic	Total Iron	Total Manganese	2,4-D	Dinoseb	Benzene	Chloro-benzene	1,2-DCP	2-MN	BOD	Dissolved Iron	Sulfate	Alkalinity	Ammonia	Total Phosphorus	Temperature	pH	Conductivity	DO	ORP	Turbidity
Analytical Method		EPA 353.2	EPA 353.2	EPA 6020B	EPA 6010D	EPA 6010D	EPA 8151A	EPA 8151A	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	SM 5210B	EPA 6010D	EPA 300.0	SM 2320B	SM 4500-NH ₃	EPA 365.1	Field	Field	Field	Field	Field	Field
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	Std Units	µS/cm	mg/L	mV	NTU
Groundwater CULs ^A		10	1	0.01	11.2	2.2	0.07	0.007	0.005	0.1	0.005	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Threshold Concentrations		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	> 64.2 ^B	> 1.90 ^C	Per Well ^B	Per Well ^B	NA	NA	NA	NA	NA	NA	NA	NA
Location	Sample Date																							
MW-6	03/11/20	5.9	<0.015	0.0259	--	--	--	--	--	--	--	--	<2.00	<0.0412	45.5	233	--	--	13.6	7.89	515	1.41	84.3	2.71
	09/02/20	5.3	0.042 J	0.026	--	--	--	--	--	--	--	--	<1.5 H	<0.041	60 H	210	--	--	16.9	8.11	476.3	0.43	66.1	3.83
	02/24/21	5.6	<0.015 H	0.024	--	--	--	--	--	--	--	--	<2.00 H	<0.041	46	270	--	--	12.6	7.53	495	0.58	61.7	3.43
	09/15/21	2.6	0.028 J	0.024	<0.040	0.23	--	--	--	--	--	--	<2.0	<0.041	42	210	<0.080	0.084 J	16.4	8.22	476.9	0.36	36.8	4.43
	03/30/22	4.4	<0.015	0.025	0.10 J	0.24	--	--	--	--	--	--	<2.0	<0.082	44	240	0.21 J	0.087 J	12.4	7.68	479.2	2.55	74.6	6.70
	07/12/22	6.8	<0.015	0.026	<0.080	0.27	--	--	--	--	--	--	<2.0	<0.082	43	230	<0.080	0.089 J	15.3	7.80	525	0.63	41.8	5.17
	03/07/23	5.2	<0.015	0.025	--	--	--	--	--	--	--	--	<2.0	<0.021	42	260	--	--	9.5	6.96	469.2	1.63	58.9	9.61
MW-7	03/10/20	3.9	<0.015 H	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.4	8.10	366.9	3.73	125.6	5.31
	08/31/20	3.8	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19.9	7.92	463.0	2.79	68.9	11.0
	02/23/21	4.2	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.2	7.83	393.8	4.37	119.8	7.39
	09/14/21	3.9	<0.015	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.9	7.90	404.6	4.45	100.3	10.5
	03/28/22	3.4	<0.015	0.012	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.3	7.80	394.0	5.35	77.2	8.27
	07/11/22	5.0	<0.015	0.013	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16.2	9.36	431.1	5.63	14.2	6.17
	03/06/23	7.0	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.8	7.79	357.1	5.12	173.2	6.78
MW-8	08/21/23	4.2	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.2	7.65	410.4	2.66	93.4	4.13
	03/11/24	1.6	<0.015 H	0.014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.1	8.02	385.6	5.82**	183.3	19.5
	03/11/20	64.9	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.7	7.60	1099	0.20	93.4	1.89
	09/03/20	38	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21.1	7.62	950	0.19	-21.5	1.39
	02/25/21	65	<0.015 H	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.3	7.33	1000	0.24	-4.2	2.48
	09/17/21	1.6	<0.015 H	0.011	<0.040	0.36	--	--	--	--	--	--	<2.0	<0.041	110	260	1.0	0.065 J	18.7	7.74	864	0.31	72.0	2.29
	03/31/22	52	0.082 H	0.01	<0.080	0.60	--	--	--	--	--	--	<2.0	<0.082	140	250	0.72	0.13	12.4	7.51	1018	0.44	61.5	2.08
MW-9	07/14/22	29	<0.015	0.011	<0.080	0.35	--	--	--	--	--	--	<2.0	<0.082	110	260	0.56	0.087 J	17.0	7.79	809	0.52	49.2	6.92
	03/09/23	50	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.9	7.06	863	0.65	-28.2	4.04
	08/24/23	21	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	24.8	8.40	835	0.08	-8.0	5.56
	03/14/24	46	<0.015	0.011	0.090	0.61 B	--	--	--	--	--	--	<2.0	<0.021	150	270	0.53	0.13	14.1	7.70	1029	2.90	59.5	3.76
	03/11/20	236	<0.015	--	--	--	<0.00024	0.041	<0.0002	0.0005 J	0.034	<0.002	<2.00	<0.0412	414	625	--	--	12.2	7.39	2801	2.26	99.0	2.1
	09/02/20	360	0.022 J	--	--	--	<0.00028	0.1	<0.0002	<0.0002	0.061	<0.002	3.0	<0.041	270 J	520	--	--	21.7	7.45	4238	0.26	-40.3	1.63
	02/25/21	130	0.82 H	--	--	--	<0.00027	0.031	<0.0002	0.00032 J	0.021	<0.002	7.2 H	0.12 J	32	390	--	--	12.0	7.34	1560	1.52	61.0	2.86
MW-10	09/16/21	520	0.038 J	0.0061	<0.040	0.10	<0.00026	0.2	<0.0003	0.001	0.07	<0.002	3.4	<0.041	140	550	270	<0.050	18.0	7.24	4017	0.73	98.3	1.09
	04/01/22	220	0.020 J	0.0071	<0.080	0.045	<0.00026	0.085	<0.0003	0.00063 J	0.051	<0.002	<2.0	<0.082	140	700	340	0.070 J	10.8	7.31	2973	1.13	109.0	3.87
	07/13/22	330	<0.015	0.0070	<0.080	0.034	<0.00028	0.006	<0.0003	0.00086 J	0.074	<0.002	8.4	<0.082	190	630	300	0.11	17.6	7.53	4449	0.35	58.5	3.35
	03/08/23	200	<0.015	--	--	--	<0.00029	<0.00032	<0.0003	0.00052 J	0.042	<0.002	<2.0	<0.021	200	540	--	--	8.8	7.47	2408	0.43	124.4	3.73
	08/22/23	290	<0.015	--	--	--	<0.00026	0.031	<0.0003	0.00082 J	0.056	<0.002	5.6	<0.021	260	510	--	--	17.1	7.33	3807	NA*	-51.1	4.34
	03/13/24	66	<0.015	0.0083	0.19	0.046	<0.00027	0.00045 J	<0.0003	0.00033 J	0.022	<0.002	9.7	0.050 J	220	630	<10	0.097 J	12.1	7.50	1957	2.48	48.3	7.70
	03/10/20	3.7	<0.015	0.0164	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.6	8.18	443	0.31	85.2	4.57
MW-10	09/01/20	5.5	<0.015	0.016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.0	8.16	487	0.51	49.9	6.17
	02/23/21	4.6	<0.015 H	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.0	7.91	443.5	0.99	75.8	7.01
	09/15/21	2.4	0.029 J	0.016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	16.6	8.23	478.7	0.54	34.2	1.53
	03/29/22	3.3	0.026 J	0.016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.4	7.95	430.1	2.38	74.4	4.95
	07/12/22	4.5	0.058	0.019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.3	8.02	451.5	1.22	47.9	3.83
	03/06/23	3.3	0.095	0.019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	9.8	5.63*	409.1	1.13	100.3*	2.96
	08/21/23	6.4	<0.015 H	0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.9	7.94	488.8	NA*	18.2	9.3
MW-10	03/11/24	2.8	0.11 H	0.021	--	--	--	--	--	--	--	--	--	--	--	--	--	--	13.0	8.10	441.9	1.93	-71.8	5.95

Table 2
Groundwater Analytical Results
 Bee-Jay Scales, Sunnyside, Washington

		Site Indicator Hazardous Substances										Enhanced In-Situ Bioremediation Monitoring Parameters						Field Parameters						
Groundwater Sample Analytes		Nitrate	Nitrite	Total Arsenic	Total Iron	Total Manganese	2,4-D	Dinoseb	Benzene	Chloro-benzene	1,2-DCP	2-MN	BOD	Dissolved Iron	Sulfate	Alkalinity	Ammonia	Total Phosphorus	Temperature	pH	Conductivity	DO	ORP	Turbidity
Analytical Method		EPA 353.2	EPA 353.2	EPA 6020B	EPA 6010D	EPA 6010D	EPA 8151A	EPA 8151A	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	SM 5210B	EPA 6010D	EPA 300.0	SM 2320B	SM 4500-NH ₃	EPA 365.1	Field	Field	Field	Field	Field	Field
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	Std Units	µS/cm	mg/L	mV	NTU
Groundwater CULs ^A		10	1	0.01	11.2	2.2	0.07	0.007	0.005	0.1	0.005	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Threshold Concentrations		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	> 64.2 ^B	> 1.90 ^C	Per Well ^B	Per Well ^B	NA	NA	NA	NA	NA	NA	NA	NA
Location	Sample Date																							
MW-11	03/11/20	2.6	<0.015	0.040	--	--	--	--	--	--	--	--	<2.00	<0.0412	53.5	238	--	--	13.2	7.78	540	0.53	116.8	5.41
	09/01/20	6.0	0.054	0.034	--	--	--	--	--	--	--	--	<1.5	<0.041	48	240	--	--	19.4	7.69	590	0.99	96.4	1.60
	02/24/21	5.6	0.087 H	0.043	--	--	--	--	--	--	--	--	<2.00	<0.041	53	240	--	--	13.9	7.44	484.1	0.46	40.1	5.03
	09/15/21	2.4	<0.015	0.019	0.065 J	5.3	--	--	--	--	--	--	<2.0	<0.041	47	210	<0.080	0.070 J	20.4	7.79	606	0.80	58.1	5.16
	03/28/22	4.6	<0.015	0.029	<0.080	0.041	--	--	--	--	--	--	<2.0	<0.082	55	210	<0.080	0.075 J	15.1	7.65	496.8	3.04	58.9	14.6
	07/12/22	6.1	0.070	0.038	<0.080	0.83	--	--	--	--	--	--	<2.0	<0.082	51	220	<0.080	0.093 J	16.9	7.65	545	0.93	53.4	2.73
	03/07/23	4.8	0.027 J	0.034	--	--	--	--	--	--	--	--	12	<0.021	50	220	--	--	9.9	7.52	423.9	2.13	49.3	13.6
	08/21/23	5.4	0.048 J H	0.031	--	--	--	--	--	--	--	--	<2.0	<0.021	51	220	--	--	18.9	7.64	581	NA*	43.2	4.41
	03/12/24	5.4	0.046 J H	0.029	0.023 J	0.57	--	--	--	--	--	--	<2.0 H	<0.021	50	230	<0.050	0.074 J	15.6	7.90	537	3.57	118.9	9.19
MW-12R	03/12/20	353	0.21	0.0640	0.914	0.746	0.0022	1.5	0.01	0.18	0.75	<0.002	<2.00	0.102 J	331	548	239	3.0	13.5	7.16	3650	2.08	113.3	22.3
	09/03/20	1.2	<0.15	0.190	20	6.1	0.0036	0.00079	0.011	0.14	0.89	<0.002	230	23	29	3,900	240	2.2	21.1	7.15	7856	0.16	-153.4	117
	11/12/20	110	9.6	0.042	1.2	0.93	0.028	0.27	0.02	0.22	1.8	<0.002	16	0.94	790	1,900	260	0.61	16.0	7.61	5172	0.44	1.8	75.5
	02/25/21	260	3.7 H	0.010	0.31	0.99	<0.00026	0.55	0.015	0.17	1.2	<0.002	7.3 H	0.36	650	1,000	230	0.23	14.5	7.23	4313	0.23	14.4	17.2
	05/12/21	19	0.11	0.0077	0.14 J	0.99	0.008	1.3	0.014	0.17	1.4	<0.004	21	0.24	530	890	270	0.16	15.0	7.62	4565	1.70	99.6	16.2
	09/17/21	4.0	0.023 J H	0.0039	0.13 J	1.6	<0.0019	1.2	0.026	0.29	2.3	<0.002	<21	<0.041	600	730	320	<0.050	16.5	7.24	5802	1.49	102.7	8.23
	03/31/22	300	0.037 J H B	0.011	<0.080	1.3	0.00081	1.8	0.022	0.29	1.9	<0.002	<2.0	<0.082	630	700	290	0.051 J	11.6	7.08	4912	2.67	102.4	14.9
	07/14/22	200	<0.015	0.064	0.12 J	0.93	0.00026 J	0.64	0.011	0.16	0.76	<0.002	<2.0	<0.082	290	520	140	1.0	15.9	7.20	3218	0.98	85.4	9.82
	12/08/22	200	0.13	0.058	0.31	1.1	0.0045	0.96	0.013	0.22	1.1	0.025	<50	0.17 J	510	1,500	230	0.78	13.1	7.19	5288	2.79	70.3	21.4
	03/09/23	170	<0.015	0.027	0.15	0.94	<0.00026	0.83	0.0075	0.14	0.61	<0.010	<2.0	0.16	400	780	190	0.34	10.1	6.82	2614	0.49	81.8	7.62
	05/18/23	150	<0.015	0.020	0.091	0.90	<0.00026	0.80	0.0073	0.13	0.55	<0.010	<2.0	0.035 J	290	670	160	0.26	15.8	7.26	3550	1.13	70.0	9.70
	08/24/23	490	<0.015	0.012	0.051	1.4	<0.00026	1.1	0.002	0.29	1.4	<0.002	<2.0	<0.021	740	750	300	0.18	18.7	7.31	7450	0.25	110.0	2.89
	12/07/23	440	<0.015	0.011	0.078	1.8	<0.00024	0.0039	0.017	0.27	1.1	<0.002	<2.0	0.023 J	470	740	8.2	0.15	11.5	7.39	5500	NA*	37.1	6.11
	03/14/24	170	<0.015	0.016	0.076	1.0	<0.00029	0.12	0.0056	0.12	0.37	<0.004	2.0	0.036 J	160	560	140	0.33	10.9	7.45	2270	2.40	113.5	6.76
	MW-13	03/12/20	1.1	<0.015	0.0134	0.156 J	0.0090 J	<0.00024	0.0041	<0.0002	<0.0002	<0.0002	<0.002	<2.00	<0.0412	113	254	<0.080	0.079 J	14.3	7.60	750	0.17	92.4
09/02/20		1.0	0.97	0.023	<0.040	0.30	<0.00024	0.0022	<0.0002	<0.0002	<0.0002	<0.002	36	0.048 J	260 J	470	<0.080	0.15	20.1	8.43	1073	0.23	45.9	21.4
11/11/20		21	0.39	0.017	<0.040	0.51	0.00039 J	<0.00027	<0.0002	<0.0002	<0.0002	<0.002	<1.5	<0.041	99	270	<0.080	0.073	16.9	7.69	802	0.39	-59.0	2.67
02/24/21		24	0.14 H	0.014	0.045 J	0.46	<0.00027	0.0025	<0.0002	<0.0002	<0.0002	<0.002	<2.0	<0.041	110	280	<0.080	0.059 J	14.2	7.35	712	0.28	61.9	1.22
05/11/21		4.7	0.21	0.014	<0.040	0.44	<0.00028	0.00047 J	<0.0002	<0.0002	<0.0002	<0.002	<1.5	0.054 J	100	280	<0.080	0.075 J	16.5	7.80	798	0.26	76.8	2.93
09/16/21		20	0.22	0.013	<0.040	0.48	<0.00029	0.0036	<0.0003	<0.0003	<0.0003	<0.002	<1.5	0.042 J	110	260	<0.080	<0.050	19.2	7.60	827	0.55	44.8	3.62
03/30/22		21	0.080	0.013	<0.080	0.70	<0.00028	0.0023	<0.0003	<0.0003	<0.0003	<0.002	<2.0	<0.082	140	260	0.21 J	0.072 J	14.4	7.58	758	1.32	76.2	3.71
07/13/22		28	0.087	0.013	<0.080	0.34	<0.00026	0.00046 J	<0.0003	<0.0003	<0.0003	<0.002	<2.0	<0.082	120	260	<0.080	0.11	17.0	7.54	804	0.90	69.2	2.36
12/07/22		22	0.036 J H	0.013	<0.080	0.61	<0.00027	0.0032	<0.0003	<0.0003	<0.0003	<0.002	<2.0 H	<0.082	110	280	<0.080	0.059 J	11.8	7.53	723	0.52	10.6	2.52
03/08/23		23	0.028 J	0.013	0.041 J	0.33	<0.00027	0.0024	<0.0003	<0.0003	<0.0003	<0.002	<2.0	0.025 J	100	260	<0.080	0.088 J	11.3	7.61	662	0.39	84.0	1.21
05/16/23		21	<0.015	0.014	0.15	0.70 B	<0.00028	0.0028	<0.0003	<0.0003	<0.0003	<0.002	<1.5	0.023 J	100	260	<0.080	0.063 J	15.1	7.49	729	3.03	50.8	6.94
08/23/23		21	0.027 J H	0.012	<0.020	0.34	<0.00028	0.0015	<0.0003	<0.0003	<0.0003	<0.002	<2.0 H	<0.021	100	290	<0.080	0.11	25.3	7.89	855	0.27	93.0	2.96
12/06/23		19	0.018 J	0.014	<0.020	0.20	<0.00026	0.0015	<0.0003	<0.0003	<0.0003	<0.002	<2.0	<0.021	100	270	<0.080	0.084 J	11.7	7.68	632	NA*	97.4	11.7
03/13/24		17	<0.015 H	0.014	0.097	0.55	<0.00028	0.0015	<0.0003	<0.0003	<0.0003	<0.002	<2.0	<0.021	92	270	<0.050	<0.050	15.2	7.70	754	2.71	65.1	4.04
MW-14		03/11/20	3.7	0.042 J	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.2	7.45	803	0.12	87.5
	09/01/20	2.4	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19.3	7.35	947	0.13	-6.2	0.79
	02/23/21	0.19	<0.015 H	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	11.8	6.75	502	0.45	-151.7	16.1
	09/14/21	1.2	0.082	0.023	--	--	--	--	--	--	--	--	--	--	--	--	--	--	19.3	7.43				

Table 2
Groundwater Analytical Results
 Bee-Jay Scales, Sunnyside, Washington

		Site Indicator Hazardous Substances										Enhanced In-Situ Bioremediation Monitoring Parameters						Field Parameters					
Groundwater Sample Analytes	Nitrate	Nitrite	Total Arsenic	Total Iron	Total Manganese	2,4-D	Dinoseb	Benzene	Chloro-benzene	1,2-DCP	2-MN	BOD	Dissolved Iron	Sulfate	Alkalinity	Ammonia	Total Phosphorus	Temperature	pH	Conductivity	DO	ORP	Turbidity
Analytical Method	EPA 353.2	EPA 353.2	EPA 6020B	EPA 6010D	EPA 6010D	EPA 8151A	EPA 8151A	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	SM 5210B	EPA 6010D	EPA 300.0	SM 2320B	SM 4500-NH ₃	EPA 365.1	Field	Field	Field	Field	Field	Field
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	Std Units	µS/cm	mg/L	mV	NTU
Groundwater CULs ^a	10	1	0.01	11.2	2.2	0.07	0.007	0.005	0.1	0.005	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Threshold Concentrations	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	> 64.2 ^b	> 1.90 ^c	Per Well ^b	Per Well ^b	NA	NA	NA	NA	NA	NA	NA	NA
Location	Sample Date																						
MW-15	03/10/20	3.5	<0.015 H	0.0149	--	--	--	--	--	--	--	--	--	--	--	--	--	15.5	8.06	384.9	2.87	93.5	6.36
	09/01/20	3.4	<0.015	0.014	--	--	--	--	--	--	--	--	--	--	--	--	--	20.4	7.87	440.5	2.07	70.9	5.08
	02/23/21	4	<0.015 H	0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	14.4	7.81	381.7	2.37	83.0	6.61
	09/14/21	3.3	<0.015 H	0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	22.2	7.97	444.4	1.54	52.3	9.47
	03/30/22	3.4	<0.015	0.015	--	--	<0.00026	<0.00029	<0.0003	<0.0003	<0.0003	<0.002	--	--	--	--	--	13.8	7.84	373.6	3.06	72.7	5.60
	07/12/22	3.6	<0.015	0.015	--	--	<0.00025	<0.00028	<0.0003	<0.0003	<0.0003	<0.002	--	--	--	--	--	19.1	7.86	429.4	2.01	49.7	1.87
	03/07/23	3.7	<0.015	0.015	--	--	<0.00026	<0.00029	<0.0003	<0.0003	<0.0003	<0.002	--	--	--	--	--	11.2	7.63*	353.7	3.38	20.1*	8.24
	08/22/23	3.6	<0.015	0.014	--	--	<0.00027	<0.00031	<0.0003	<0.0003	<0.0003	<0.002	--	--	--	--	--	15.5	7.77	408.9	2.14	91.6	9.89
	03/13/24	3.9	<0.015	0.014	--	--	<0.00027	<0.00030	<0.0003	<0.0003	<0.0003	<0.002	--	--	--	--	--	14.5	8.05	404.4	4.67	65.3	4.90
MW-16	03/13/20	145	1.6	--	--	--	<0.00024	0.054	<0.0002	0.0003 J	0.15	<0.002	<2.00	0.141 J	598	645	--	13.3	7.24	2759	3.64	120.5	14.5
	09/02/20	2.6	0.65	--	--	--	<0.00026	<0.00029	<0.002	<0.002	0.069	<0.02	2.600	220	90 J	1,300	--	20.4	6.39	3645	0.35	-167.9	146
	02/25/21	15	0.037 J.H	--	--	--	<0.00026	0.0035	<0.0002	<0.0002	0.042	<0.002	2.1 H	8.8	79	330	--	13.8	6.68	697	0.30	-93.7	19.4
	09/16/21	25	0.98	0.022	0.67	0.92	<0.00025	0.0097	<0.0003	<0.0003	0.14	<0.002	<2.0	0.25	460	650	0.080 J	21.6	7.13	2606	0.52	15.3	14.3
	03/30/22	99	0.40	0.0061	<0.080	1.3	<0.00026	0.031	<0.0003	<0.0003	0.14	<0.002	<2.0	0.094 J	430	640	0.25	14.5	7.10	2456	1.27	77.9	16.7
	07/13/22	57	1.8	0.019	1.6	0.84	<0.00026	0.0042	<0.0003	<0.0003	0.12	<0.002	<2.0	0.13 J	250	520	0.16 J	18.9	7.13	1794	0.62	-69.8	6.27
	03/09/23	13	0.22	--	--	--	<0.00026	0.0064	<0.0003	<0.0003	0.029	<0.002	5.0	0.083	70	240	--	11.1	6.28	506	0.67	49.6	12.3
	08/23/23	89	0.71 H	--	--	--	<0.00028	0.0092	<0.0003	<0.0003	0.079	<0.002	<2.0	0.51	350	640	--	26.5	7.36	2370	0.58	102.0	6.32
	03/14/24	72	0.69	0.0061	0.064	1.5	<0.00030	0.019	<0.0003	<0.0003	0.071	<0.002	<2.0	0.043 J	350	680	<0.050	11.9	7.33	2110	2.85	135.9	15.0
MW-17	03/11/20	2.1	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.3	7.65	434.5	1.71	113.1	1.56
	09/01/20	3.3	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	21.2	7.55	446.4	2.10	25.2	1.70
	02/24/21	3.8	<0.015 H	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.3	7.47	370.2	1.88	58.8	4.17
	09/16/21	3.6	<0.015	0.0084	--	--	--	--	--	--	--	--	--	--	--	--	--	19.0	7.95	409.3	1.65	47.2	2.44
	03/29/22	3.0	<0.015	0.0083	--	--	--	--	--	--	--	--	--	--	--	--	--	15.4	7.68	389.1	2.42	56.0	15.3
	07/13/22	4.1	<0.015	0.0086	--	--	--	--	--	--	--	--	--	--	--	--	--	19.9	7.87	424	2.30	43.2	2.47
	03/08/23	4.6	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	10.8	7.89	343.3	2.48	103.6	4.62
	08/22/23	3.8	<0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	17.1	7.62	423.2	2.75	22.2	5.75
	03/12/24	3.8	<0.015 H	0.012	--	--	--	--	--	--	--	--	--	--	--	--	--	12.5	7.85	424.0	4.11	117.0	9.97
MW-18	03/10/20	3.2	<0.015 H	0.0189	--	--	--	--	--	--	--	--	--	--	--	--	--	15.5	7.84	369.2	3.34	118.2	4.19
	09/01/20	3.1	<0.015	0.018	--	--	--	--	--	--	--	--	--	--	--	--	--	23.5	7.60	455.2	2.44	19.5	10.7
	02/24/21	3.5	<0.015 H	0.019	--	--	--	--	--	--	--	--	--	--	--	--	--	14.4	7.49	336.3	2.70	67.4	1.99
	09/15/21	2.9	<0.015	0.017	--	--	--	--	--	--	--	--	--	--	--	--	--	23.6	7.60	457.3	2.14	39.9	7.51
	03/29/22	2.8	<0.015	0.016	--	--	--	--	--	--	--	--	--	--	--	--	--	17.4	7.59	391.5	2.95	55.9	7.60
	07/13/22	3.6	<0.015	0.017	--	--	--	--	--	--	--	--	--	--	--	--	--	21.8	7.64	436.2	2.48	61.1	11.1
	03/08/23	3.0	<0.015	0.017	--	--	--	--	--	--	--	--	--	--	--	--	--	10.6	7.73	317.8	2.74	140.9	5.95
	08/23/23	3.0	<0.015	0.018	--	--	--	--	--	--	--	--	--	--	--	--	--	25.7	7.65	480.0	NA*	93.0	10.9
	03/12/24	3.1	<0.015 H	0.018	--	--	--	--	--	--	--	--	--	--	--	--	--	14.2	7.82	379.2	4.98	119.8	16.9
MW-19	03/10/20	2.9	<0.015 H	0.0182	--	--	<0.00026	<0.00029	<0.0002	<0.0002	0.003	<0.002	<2.00 H	0.622	149	224	--	13.9	7.73	1160	3.02	108.8	142
	08/31/20	2.9	0.062	0.046	--	--	<0.00033	<0.00036	<0.0002	<0.0002	0.015	<0.002	<1.5	1.2	160	230	--	20.8	7.74	1325	1.18	47.1	130
	02/24/21	2.0	<0.015 H	0.012	--	--	<0.00026	<0.00029	<0.0003	<0.0003	0.0076	<0.002	<2.00	0.49	140	260	--	12.6	7.42	1047	1.44	59.0	44.4
	09/15/21	4.0	<0.015	0.011	0.94	0.17	<0.00028	<0.00031	<0.0003	<0.0003	0.0061	<0.002	<2.0	1.2	120	230	<0.080	20.4	7.71	1328	0.79	40.1	47.9
	03/29/22	2.0	0.017 J	0.0074	0.61	0.91	<0.00026	<0.00029	<0.0003	<0.0003	0.024	<0.002	<2.0	0.49	87	190	<0.080	14.6	7.42	996	3.14	67.9	390
	07/12/22	9.6	0.024 J	0.013	0.58	0.47	<0.00026	<0.00030	<0.0003	<0.0003	0.0042	<0.002	<2.0	1	150	200	<0.080	19.9	7.83	1143	0.87	30.0	108
	03/08/23	0.28	<0.015	0.011	--	--	<0.00026	<0.00029	<0.0003	<0.0003	0.027	<0.002	5.8	0.89	41	260	--	9.6	7.41	772	0.40	-59.6	65.1
	08/23/23	3.0	0.11	0.024	--	--	<0.00029	<0.00033	<0.0003	<0.0003	0.038	<0.002	<2.0	1.7	90	240	--	19.0	7.40	1150	NA*	122.0	30.5
	03/12/24	3.8	<0.015	0.011	0.60	0.17	<0.00026	<0.00029	<0.0003	<0.0003	0.013	<0.002	<2.0	0.17	23	140	<0.050	15.4	7.39	479	4.36	120.4	218

Table 2
Groundwater Analytical Results
 Bee-Jay Scales, Sunnyside, Washington

		Site Indicator Hazardous Substances										Enhanced In-Situ Bioremediation Monitoring Parameters						Field Parameters						
Groundwater Sample Analytes		Nitrate	Nitrite	Total Arsenic	Total Iron	Total Manganese	2,4-D	Dinoseb	Benzene	Chloro-benzene	1,2-DCP	2-MN	BOD	Dissolved Iron	Sulfate	Alkalinity	Ammonia	Total Phosphorus	Temperature	pH	Conductivity	DO	ORP	Turbidity
Analytical Method		EPA 353.2	EPA 353.2	EPA 6020B	EPA 6010D	EPA 6010D	EPA 8151A	EPA 8151A	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	SM 5210B	EPA 6010D	EPA 300.0	SM 2320B	SM 4500-NH ₃	EPA 365.1	Field	Field	Field	Field	Field	Field
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	Std Units	µS/cm	mg/L	mV	NTU
Groundwater CULs ^A		10	1	0.01	11.2	2.2	0.07	0.007	0.005	0.1	0.005	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Threshold Concentrations		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	> 64.2 ^B	> 1.90 ^C	Per Well ^B	Per Well ^B	NA	NA	NA	NA	NA	NA	NA	NA
Location	Sample Date																							
MW-20	03/10/20	3.2	<0.015 H	0.0182	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.9	7.87	393.8	2.91	112.2	4.06
	08/31/20	3.4	<0.015	0.020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	22.5	7.60	467	2.39	55.7	3.51
	02/24/21	3.6	<0.015 H	0.020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	14.7	7.58	367.1	2.11	61.9	1.93
	09/15/21	3.2	<0.015	0.017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20.7	7.91	443.0	1.84	46.3	2.61
	03/29/22	3.3	<0.015	0.016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.6	7.67	396.8	3.45	71.9	7.09
	07/12/22	3.6	<0.015	0.020	--	--	--	--	--	--	--	--	--	--	--	--	--	--	20.6	7.80	452	2.14	30.5	2.54
	03/08/23	3.6	<0.015	0.018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12.3	7.89	359.0	2.03	139.1	8.57
	08/23/23	3.5	<0.015	0.019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23.8	7.88	504.0	2.74	90.0	1.81
	03/12/24	7.0	<0.015 H	0.019	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.0	7.93	418.0	5.29	124.8	12.2
MW-21	03/11/20	161	<0.015	0.0035	0.305	0.0605	<0.00024	<0.00027	<0.0002	<0.0002	0.0004 J	<0.002	<2.00	<0.0412	396	358	<0.080	0.082 J	12.5	7.25	1991	2.16	106.3	8.5
	09/01/20	40	<0.015	0.015	2.0	5.6	<0.00024	<0.00027	<0.0002	<0.0002	0.00078 J	<0.002	70	1.6	390 J	1,700	0.14 J	0.37	17.8	7.56	3653	0.07	-160.5	10.3
	11/11/20	140	12 H	0.0032	0.080 J	3.4	<0.00025	<0.00028	<0.0002	<0.0002	0.00069 J	<0.002	1.9	<0.041	460	440	0.85	0.072 J	14.6	7.51	2233	0.59	-62.7	1.89
	02/24/21	140	2.4 H	0.0027	<0.040	3.2	<0.00024	0.0014	<0.0002	<0.0002	0.00052 J	<0.002	<2.00	<0.041	370	430	<0.080	0.052 J	11.9	7.10	1725	0.29	67.5	2.33
	05/11/21	23	3.0	0.0025	0.090 J	3.3	<0.00024	<0.00027	<0.0002	<0.0002	0.0006 J	<0.002	<1.5	0.054 J	340	400	<0.080	<0.050	13.4	7.53	1900	1.47	112.1	2.27
	09/15/21	120	0.77 H	0.0033	<0.040	2.9	<0.00026	<0.00029	<0.0003	<0.0003	0.00075 J	<0.002	<1.5 H	<0.041	360	360	<0.080	<0.050	17.8	7.47	2135	0.41	46.2	2.71
	03/29/22	110	0.31 H	0.0027	<0.080	1.9	<0.00026	<0.00029	<0.0003	<0.0003	0.00057 J	<0.002	<2.0	<0.082	320	390	0.19 J	<0.050	12.5	7.22	1675	0.70	46.2	3.88
	07/12/22	110	0.91	0.0029	<0.080	1.5	<0.00026	<0.00029	<0.0003	<0.0003	0.00040 J	<0.002	<2.0	<0.082	370	450	<0.080	<0.050	15.6	7.38	1827	0.43	40.8	1.66
	12/07/22	9.4	2.6	0.032	0.68	2.2	<0.00027	<0.0003	<0.0003	<0.0003	0.00094 J	<0.002	>230 H	0.60	85	1,100	0.54	0.75	11.5	5.32	1922	1.05	-175.9	9.95
	03/07/23	19	2.1	0.014	0.75	1.6	<0.00027	<0.0003	<0.0003	<0.0003	0.00073 J	<0.002	34 H	0.49	300	630	0.76	0.34	10.0	2.48*	1317	1.12	177.8*	8.59
	05/16/23	27	3.8	0.0041	0.048 J	2.0 B	<0.00027	<0.0003	<0.0003	<0.0003	0.00054 J	<0.002	<1.5	0.023 J	280	490	0.15 J	0.11	12.1	7.46	1354	3.58	31.9	11.5
	08/22/23	45	3.8	0.0033	0.23	2.4	<0.00028	<0.00031	<0.0003	<0.0003	0.00062 J	<0.002	<2.0	<0.021	320	500	<0.080	0.086 J	14.0	7.49	1553	NA*	47.4	4.93
	12/06/23	50	1.0	0.0021	<0.020	3.1	<0.00026	<0.00029	<0.0003	<0.0003	0.00048 J	<0.002	<2.0	<0.021	300	550	<0.080	0.096 J	11.2	7.42	1387	NA*	104.9	16.1
	03/12/24	60	0.31 H	0.0015 J	0.097	1.4	<0.00024	<0.00027	<0.0003	<0.0003	0.00039 J	<0.002	<2.0 H	0.025 J	330	650	0.080 J	<0.050	12.5	7.50	1810	2.99	120.6	3.17
	MW-22	03/31/22	70	0.056 H	<0.00068	0.26	0.50	<0.00025	<0.00028	<0.0003	<0.0003	<0.0003	<0.002	<2.0	0.095 J	280	260	0.98	<0.050	11.5	6.99	1288	3.51	110.8
07/14/22		65	0.057	0.0012 J	<0.080	0.099	<0.00026	0.00051 J	<0.0003	<0.0003	<0.0003	<0.002	<2.0	<0.082	360	280	0.15 J	<0.050	15.8	6.99	1368	0.74	84.1	1.73
12/06/22		0.12	<0.015	0.010 B	6.9	24	<0.00027	<0.0003	<0.0003	<0.0003	<0.0003	<0.002	>2.500	7.0	310	3,600	<4.0	0.23	10.3	6.86	6716	0.73	-117.4	19.3
03/06/23		7.8	2.2	0.017	1.7	6.2	<0.00027	<0.00031	<0.0003	<0.0003	<0.0003	<0.002	15 H	1.6	450	490	0.70	0.36	8.3	7.30	1135	1.80	-121.8	15.2
05/17/23		9.3	7.7	0.0057	0.45	3.8	<0.00027	<0.0003	<0.0003	<0.0003	<0.0003	<0.002	4.9	0.42	350	330	0.54	0.060 J	13.5	7.75	1128	0.56	-30.2	13.6
08/24/23		<0.040	<0.015	0.030	3.7	4.5	<0.00026	<0.00029	<0.0003	<0.0003	<0.0003	<0.002	4.1	3.4	210	690	1.3	0.55	21.2	8.01	1620	0.35	-154.0	8.60
12/05/23		17	4.2	0.0069	0.39	3.8	0.0047	<0.00031	<0.0003	<0.0003	<0.0003	0.0024 J	<2.0	0.19	430	320	0.13 J	<0.050	9.2	7.39	1110	0.38	60.2	5.90
03/14/24	21	1.5	0.0028	0.087	2.4 B	<0.00024	<0.00027	<0.0003	<0.0003	<0.0003	<0.002	<2.0	<0.021	160	300	<0.050	<0.050	12.3	7.68	867	3.34	122.9	3.42	
MW-23	03/30/22	150	0.068 H	0.0056	<0.080	0.031	<0.00026	0.017	<0.0003	<0.0003	0.18	<0.002	<2.0	<0.082	110	200	<0.080	0.14	14.5	7.50	1496	0.97	71.4	13.5
	07/13/22	160	0.025 J	0.0064	0.20	0.030	<0.00026	0.0013	<0.0003	<0.0003	0.17	<0.002	<2.0	<0.082	92	210	0.17 J	0.14	18.1	7.79	1375	0.41	33.2	9.2
	12/07/22	31	0.73	0.024	0.43	1.2	<0.00027	0.0055	<0.0003	<0.0003	0.05	<0.002	81 H	0.27	34	360	0.10 J	0.078 J	12.8	7.80	717	0.45	-200.0	9.92
	03/07/23	34	0.64	0.0070	0.17	0.88	<0.00028	0.0087	<0.0003	<0.0003	0.053	<0.002	2.3 H	<0.021	67	220	<0.080	0.070 J	11.2	2.97*	607	0.90	227.5*	9.64
	05/17/23	13	0.91 H	0.013	0.25	1.2	<0.00027	0.010	<0.0003	<0.0003	0.035	<0.002	49	0.18	54	310	<0.080	0.10	15.7	7.78	649	0.43	-68.0	18.4
	08/22/23	<0.040	<0.015 H	0.054	3.7	8.8	<0.00027	<0.0003	<0.0003	<0.0003	0.027	<0.002	230	5.0	<2.5	1,000	<0.080	0.30	19.7	7.22	1956	NA*	-121.4	6.81
	12/05/23	3.5	0.50	0.076	4.8	1.2	<0.00029	<0.00032	<0.0003	<0.0003	0.035	<0.002	>65	4.8	17	2,400	<0.080	0.20	13.6	7.22	2823	0.32	-169.8	30.2
	03/13/24	110	17	0.025	1.3	0.44	<0.00026	<0.00029	<0.0003	<0.0003	0.24	<0.002	13 H	0.97	260	1,500	3.1	0.076 J	12.3	7.39	3138	2.49	-40.1	22.5

Table 2
Groundwater Analytical Results
 Bee-Jay Scales, Sunnyside, Washington

		Site Indicator Hazardous Substances										Enhanced In-Situ Bioremediation Monitoring Parameters						Field Parameters						
Groundwater Sample Analytes		Nitrate	Nitrite	Total Arsenic	Total Iron	Total Manganese	2,4-D	Dinoseb	Benzene	Chloro-benzene	1,2-DCP	2-MN	BOD	Dissolved Iron	Sulfate	Alkalinity	Ammonia	Total Phosphorus	Temperature	pH	Conductivity	DO	ORP	Turbidity
Analytical Method		EPA 353.2	EPA 353.2	EPA 6020B	EPA 6010D	EPA 6010D	EPA 8151A	EPA 8151A	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	EPA 8260C/D	SM 5210B	EPA 6010D	EPA 300.0	SM 2320B	SM 4500-NH ₃	EPA 365.1	Field	Field	Field	Field	Field	Field
Units		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	°C	Std Units	µS/cm	mg/L	mV	NTU
Groundwater CULs ^A		10	1	0.01	11.2	2.2	0.07	0.007	0.005	0.1	0.005	0.032	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Threshold Concentrations		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	> 64.2 ^B	> 1.90 ^C	Per Well ^B	Per Well ^B	NA	NA	NA	NA	NA	NA	NA	NA
Location	Sample Date																							
MW-24	03/30/22	24	0.062 H	0.0064	<0.080	0.011	<0.00025	0.0024	<0.0003	<0.0003	0.066	<0.002	<2.0	<0.082	54	210	<0.080	0.17	14.3	7.74	616	1.02	62.9	14.9
	07/13/22	40	0.031 J	0.0073	<0.080	0.016	<0.00027	0.001	<0.0003	<0.0003	0.093	<0.002	<2.0	<0.082	60	220	<0.080	0.18	16.4	7.80	707	0.49	30.0	11.5
	12/07/22	35	<0.015	0.0085	0.13 J	0.014	<0.00026	0.0037	<0.0003	<0.0003	0.068	<0.002	<2.0 H	<0.082	52	220	<0.080	0.097 J	11.9	7.79	631	0.72	-17.6	8.96
	03/08/23	36	<0.015	0.0080	0.25	0.011	<0.00026	0.0036	<0.0003	<0.0003	0.09	<0.002	<2.0	0.042 J	59	220	<0.080	0.12	9.5	7.79	582	4.54	85.6	7.62
	05/16/23	51	<0.015	0.0071	0.11	0.0053	<0.00026	0.0064	<0.0003	<0.0003	0.15	<0.002	<1.5	0.10	79	240	<0.080	0.097 J	14.0	7.64	831	1.62	56.7	15.1
	08/23/23	33	0.044 J	0.0085	0.075	0.015 B	<0.00026	0.0015	<0.0003	<0.0003	0.068	<0.002	<2.0	<0.021	47	220	<0.080	0.10	23.5	7.98	815	NA*	83.0	5.43
	12/06/23	29	0.018 J	0.0090	0.026 J	0.0065	<0.00024	0.0029	<0.0003	<0.0003	0.032	<0.002	<2.0	<0.021	47	220	<0.080	0.094 J	11.8	7.86	559	3.31	101.6	21.4
	03/13/24	7.7	<0.015 H	0.0060	0.14	0.0048	<0.00027	0.0051	<0.0003	<0.0003	0.29	<0.002	<2.0	0.035 J	82	260	<0.050	<0.050	13.0	7.65	1134	3.45	84.5	7.31

Notes:
^A Groundwater CULs for Site Indicator Hazardous Substances defined in the *Cleanup Action Plan*, dated March 8, 2013.
^B Enhanced in-situ bioremediation (EISB) threshold concentration calculation defined in the *Pre-Treatment Groundwater Monitoring Report*, dated July 2, 2020.
^C Calculated using pre-treatment dissolved iron laboratory data (field test kit data not included) per method identified in *Pre-Treatment Groundwater Monitoring Report*, dated July 2, 2020.

Results greater than or equal to the CULs are in **bold**

85	Results indicate monitoring parameter is above (for alkalinity, BOD, or ferrous iron) or below (for sulfate) calculated Enhanced In-Situ Bioremediation Threshold Concentration
0.72	Results indicate monitoring parameter is within calculated Enhanced In-Situ Bioremediation Threshold Concentration

*Potential pH and ORP probe malfunction affecting parameter results at several wells in 1Q23. DO probe malfunction affecting results at several wells in 3Q23 and 4Q23. See Water Sample Field Data Sheets for details.
 **Converted DO from % saturation to mg/L at 13.1 °C using U of MN Natural Resources Research Institute % Saturation Calculator (<https://www.waterontheweb.org/under/waterquality/dosatcalc.html>).
 1,2-DCP = 1,2-Dichloropropane DO = dissolved oxygen mg/L = milligrams per liter -- = not analyzed
 2,4-D = 2,4-Dichlorophenoxyacetic acid EPA = United States Environmental Protection Agency °C = degrees Celsius < = less than the method detection limit
 2-MN = 2-Methylnaphthalene NA = Not applicable µS/cm = microSiemens per centimeter J = estimated value
 BOD = Biochemical oxygen demand ORP = oxidation-reduction potential mV = millivolts B = compound was found in the blank and sample
 CUL = Cleanup Level SM = Standard Methods NTU = nephelometric turbidity units H = holding time not met

Table 3
EISB Groundwater Remedy Pre-Treatment Threshold Concentrations
 Bee-Jay Scales Site, Sunnyside, Washington

Monitoring Well ID	Well Designation	EISB Parameter	Source of Pre-Treatment Data	Number of Pre-Treatment Observations	Date Range of Pre-Treatment Data	Pre-Treatment Threshold Concentration
All Wells	Any	BOD	Nitrate Plume + MW-19	21	8/20/2019 - 3/13/2020	64.2 mg/L ¹
		Dissolved Iron	Nitrate Plume + MW-19	21	8/20/2019 - 3/13/2020	1.90 mg/L ¹
MW-1	Up- or Cross-Gradient	Alkalinity	MW-1	13	7/29/2003 - 3/10/2020	262.2 mg/L ¹
		Sulfate	MW-1	13	7/29/2003 - 3/10/2020	22.8 mg/L ²
MW-3	In Plume	Alkalinity	MW-3	31	7/29/2003 - 3/12/2020	452.4 mg/L ¹
		Sulfate	MW-3	13	7/29/2003 - 3/12/2020	23.5 mg/L ²
MW-4R	POC	Alkalinity	MW-4 and MW-4R	41	7/30/2003 - 3/12/2020 ³	737.9 mg/L ¹
		Sulfate	MW-4 and MW-4R	46	7/29/2003 - 3/12/2020 ³	94.1 mg/L ²
MW-5R	POC	Alkalinity	MW-5 and MW-5R	42	7/30/2003 - 3/12/2020	366 mg/L ¹
		Sulfate	MW-5 and MW-5R	42	7/29/2003 - 3/12/2020	195 mg/L ²
MW-6	POC	Alkalinity	MW-6	28	7/30/2003 - 3/11/2020	506 mg/L ¹
		Sulfate	MW-6	27	7/30/2003 - 3/11/2020	38.6 mg/L ²
MW-8	In Plume	Alkalinity	MW-8	29	5/26/2004 - 2/19/2015	289.2 mg/L ¹
		Sulfate	MW-8	38	5/26/2004 - 8/21/2019	82.2 mg/L ²
MW-9	In Plume	Alkalinity	MW-9	42	10/25/2004 - 3/11/2020	694.8 mg/L ¹
		Sulfate	MW-9	49	10/25/2004 - 3/11/2020	84.4 mg/L ²
MW-11	Up-Gradient (In Plume)	Alkalinity	MW-11	23	10/25/2004 - 3/11/2020	276.9 mg/L ¹
		Sulfate	MW-11	21	10/25/2004 - 3/11/2020	41.4 mg/L ²
MW-12R	POC	Alkalinity	MW-12 and MW-12R	39	10/25/2004 - 3/12/2020	779.1 mg/L ¹
		Sulfate	MW-12 and MW-12R	45	10/25/2004 - 3/12/2020	132.9 mg/L ²
MW-13	POC	Alkalinity	MW-13	23	6/27/2007 - 3/12/2020	262.8 mg/L ¹
		Sulfate	MW-13	31	6/27/2007 - 3/12/2020	102.8 mg/L ²
MW-16	POC	Alkalinity	MW-16	16	8/27/2013 - 3/13/2020	2,090 mg/L ¹
		Sulfate	MW-16	16	8/27/2013 - 3/13/2020	12.3 mg/L ²
MW-19	In Plume	Alkalinity	MW-19	17	8/27/2013 - 3/10/2020	379.1 mg/L ¹
		Sulfate	MW-19	17	8/27/2013 - 3/10/2020	16 mg/L ²
MW-21 MW-22 MW-23 MW-24	In Plume	Alkalinity	Nitrate Plume	312	7/29/2003 - 3/13/2020	711 mg/L ¹
		Sulfate	Nitrate Plume	317	7/29/2003 - 3/13/2020	24.2 mg/L ²

Notes:

—¹ An upper tolerance limit concentration with 95% coverage and a 95% confidence interval calculated using EPA ProUCL software.

—² A lower tolerance limit concentration with 95% coverage and a 95% confidence interval calculated using EPA Scout software.

—³ Excludes data from 7/8/2004 through 12/20/2006 when a pilot scale enhanced in-situ bioremediation study was implemented near MW-4.

EISB = Enhanced In-Situ Bioremediation

mg/L = Milligrams Per Liter

BOD = Biochemical Oxygen Demand

POC = Point of Compliance

Table 4
First Quarter 2024 Per Well Trend Analysis
Bee-Jay Scales Site, Sunnyside, Washington

Monitoring Well ID	Well Condition (MNA or EISB)	Indicator Hazardous Substance ¹	CUL (mg/L)	Detected 1Q24 Concentration ² (mg/L)	Mann-Kendall Analysis Trend
MW-1	MNA	Arsenic	0.01	0.012	Increasing
MW-3	MNA	Nitrate	10	180	Increasing
MW-4R	MNA	Nitrate	10	100	Decreasing ³
		Dinoseb	0.007	0.0077	Decreasing ³
		Arsenic	0.01	0.016	Stable ³
MW-5R	EISB	Nitrite	1	1.5	Not Evaluated ²
		Manganese	2.2	3.4	
MW-7	-- ⁴	Arsenic	0.01	0.014	Stable
MW-8	MNA	Nitrate	10	46	Decreasing
		Arsenic	0.01	0.011	Stable
MW-9	MNA	Nitrate	10	66	Stable
		1,2-Dichloropropane	0.005	0.022	Stable
MW-10	-- ⁴	Arsenic	0.01	0.021	Decreasing
MW-11	MNA	Arsenic	0.01	0.029	Decreasing
MW-12R	MNA	Nitrate	10	170	Stable ³
		Arsenic	0.01	0.016	Decreasing ³
		Dinoseb	0.007	0.12	Decreasing ³
		1,2-Dichloropropane	0.005	0.37	Stable ³
		Chlorobenzene	0.1	0.12	Stable ³
		Benzene	0.005	0.0056	Stable ³
MW-13	EISB	Nitrate	10	17	Not Evaluated ²
		Arsenic	0.01	0.014	
MW-15	-- ⁴	Arsenic	0.01	0.014	Stable
MW-16	MNA	Nitrate	10	72	Stable ³
		Dinoseb	0.007	0.019	Increasing ³
		1,2-Dichloropropane	0.005	0.071	Decreasing ³
MW-17	-- ⁴	Arsenic	0.01	0.012	Increasing
MW-18	-- ⁴	Arsenic	0.01	0.018	Decreasing
MW-19	MNA	Arsenic	0.01	0.011	Decreasing
		1,2-Dichloropropane	0.005	0.013	Undetermined ⁵
MW-20	-- ⁴	Arsenic	0.01	0.019	Stable
MW-21	MNA	Nitrate	10	60	Decreasing ³
MW-22	MNA	Nitrate	10	21	Stable ³
		Nitrite	1	1.5	Increasing ³
		Manganese	0.01	2.4	Stable ³
MW-23	EISB	Nitrate	10	110	Not Evaluated ²
		Nitrite	1	17	
		Arsenic	0.01	0.025	
		1,2-Dichloropropane	0.005	0.24	
MW-24	MNA	1,2-Dichloropropane	0.005	0.29	Stable

Notes:

MNA = Monitored Natural Attenuation

CUL = Cleanup Level

mg/L = Milligrams Per Liter

¹ Arsenic and manganese are total, not dissolved, concentrations.

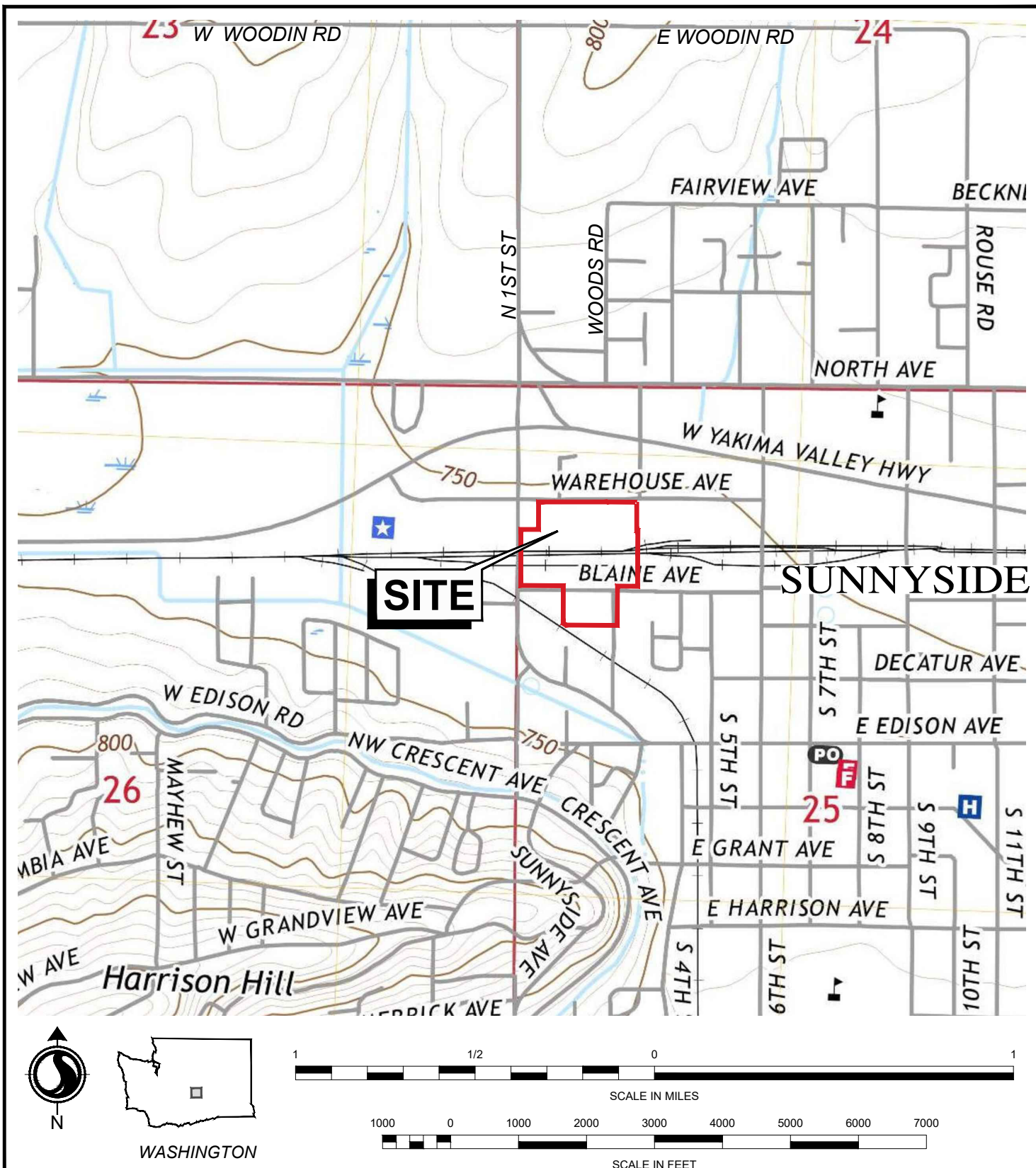
² Only IHSs that exceeded the CUL at a monitoring well are shown in this table. Trend analysis was not completed for results that were non-detect or detected concentration was below the CUL, or for wells that currently indicate enhanced in-situ bioremediation (EISB) conditions.

³ Data from timeframes when well was under EISB conditions were excluded in monitoring well trend analysis for select analytes affected by EISB. EISB conditions indicated by: 1) at least two EISB parameters above (for alkalinity, BOD, or ferrous iron) or below (for sulfate) calculated threshold concentrations; or 2) one parameter above or below calculated threshold concentrations and a trend of EISB conditions in past events.

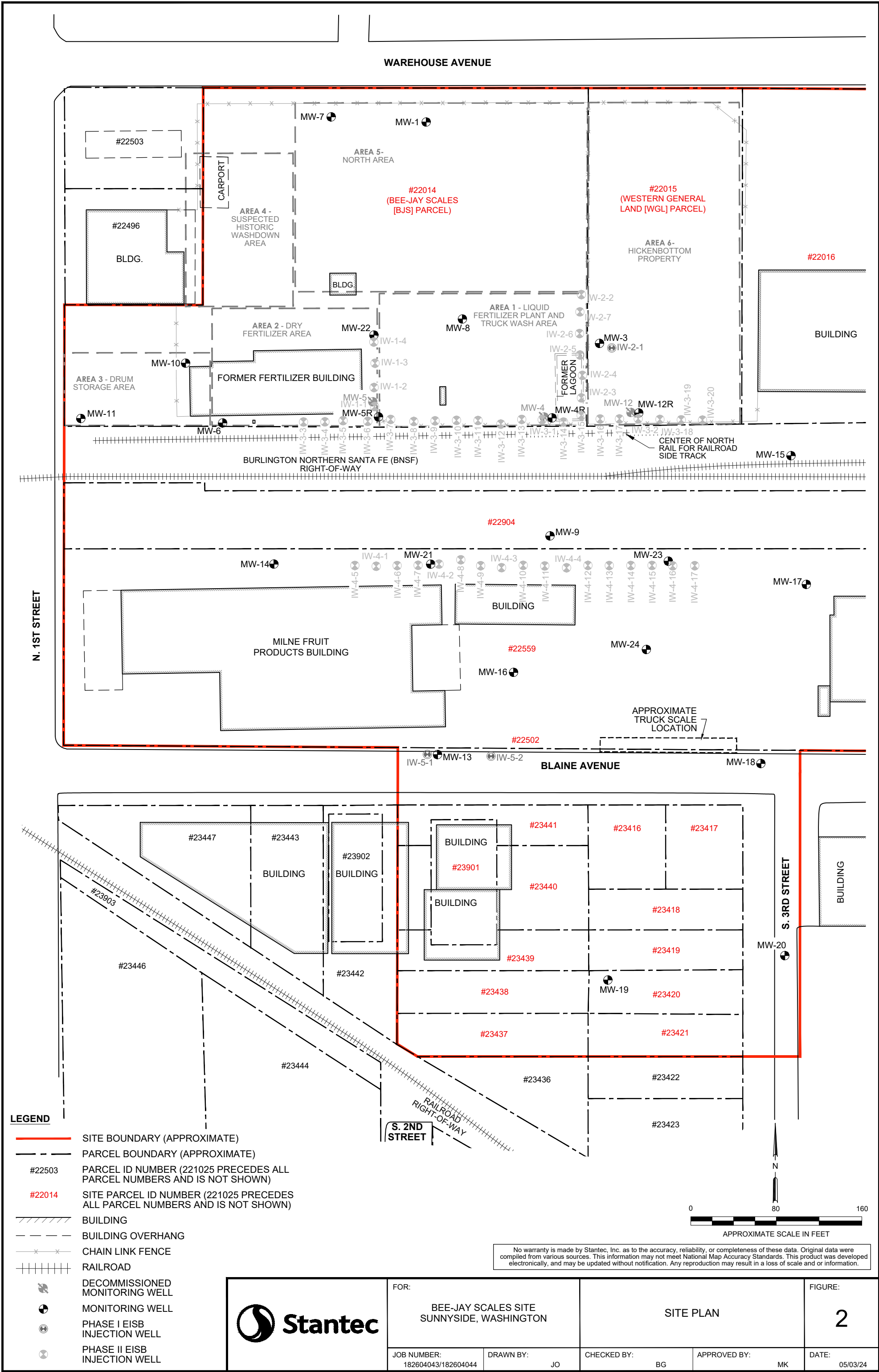
⁴ This well was not analyzed for EISB monitoring parameters.

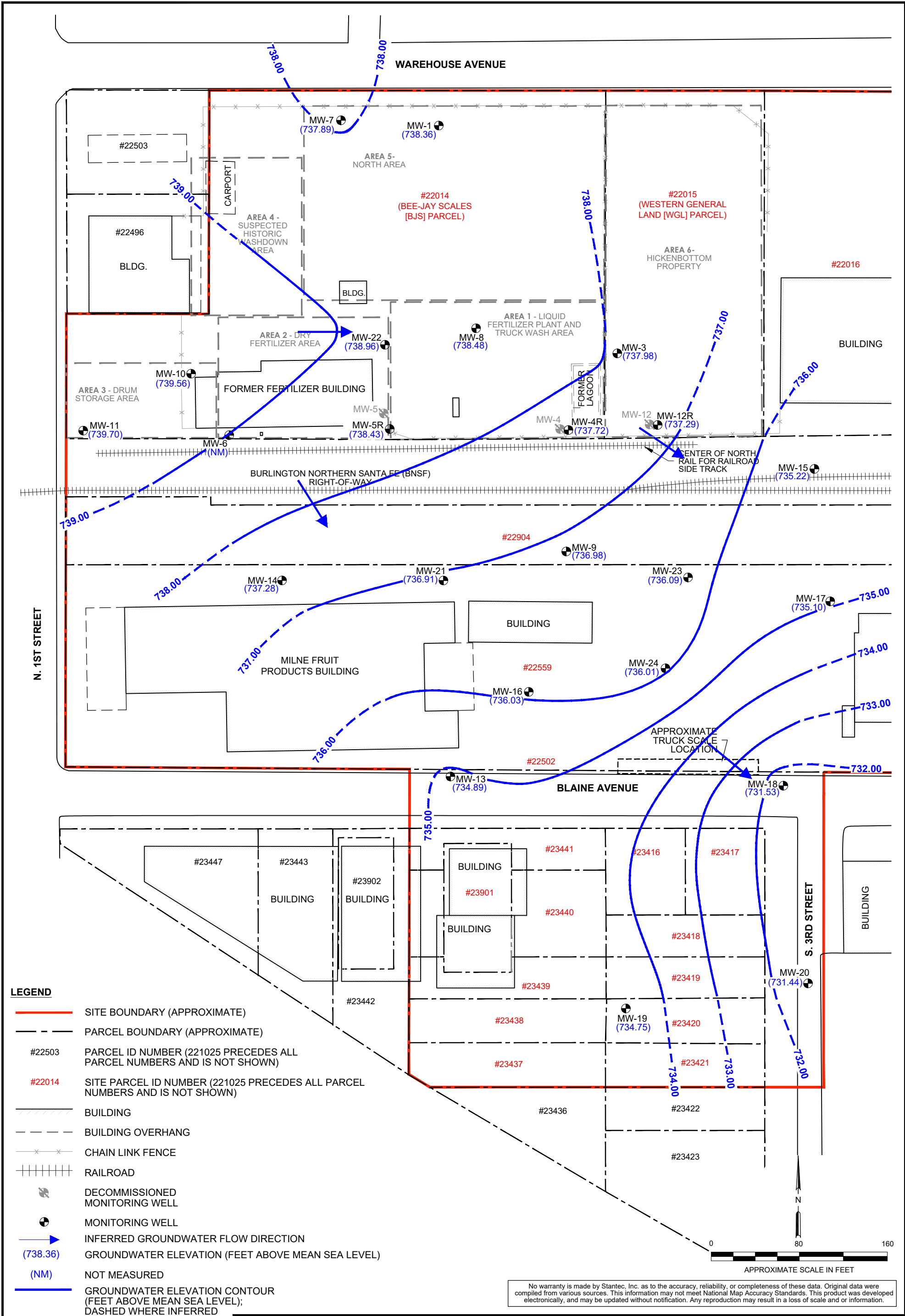
⁵ Trend undetermined because data set is below 85% level of confidence with a Coefficient of Variation (CV) > 1.

FIGURES

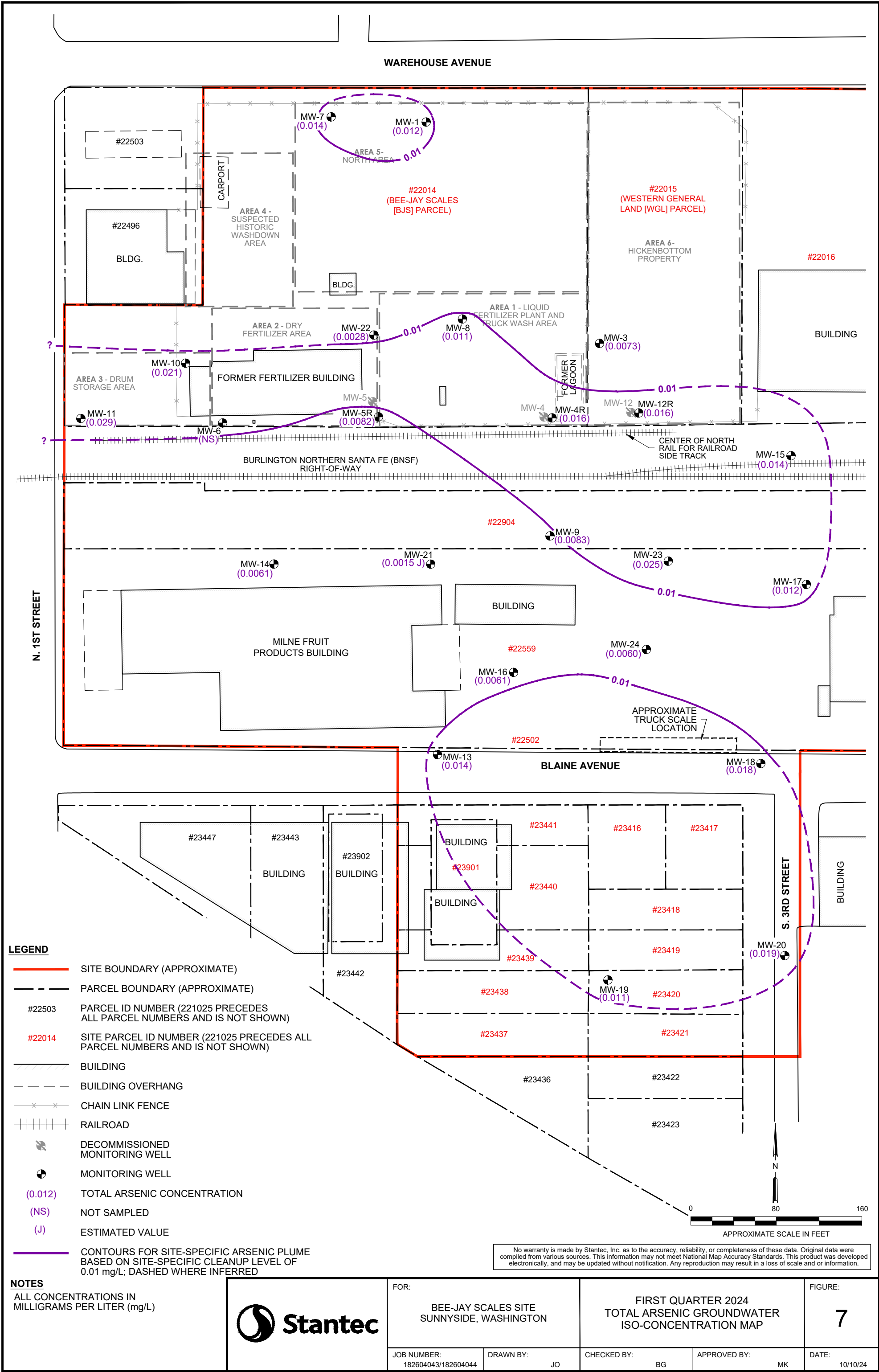


	FOR: BEE-JAY SCALES SITE SUNNYSIDE, WASHINGTON		FIGURE: 1	
	JOB NUMBER: 182604043/182604044	DRAWN BY: JO	CHECKED BY: BG	APPROVED BY: MK
SITE LOCATION MAP			DATE: 05/03/24	





NOTES GROUNDWATER ELEVATION DATA WERE COLLECTED ON MARCH 11, 2024 GROUNDWATER CONTOURS WERE CREATED USING SURFER VERSION 20.0		FOR: BEE-JAY SCALES SITE SUNNYSIDE, WASHINGTON		FIRST QUARTER 2024 GROUNDWATER ELEVATION CONTOUR MAP		FIGURE: 3
		JOB NUMBER: 182604043/182604044	DRAWN BY: JO	CHECKED BY: BG	APPROVED BY: MK	DATE: 05/03/24



APPENDIX A

Field Forms

Groundwater Field Log
Bee-Jay Scales Site, Sunnyside, Washington

Well ID*	Date	Time	Top of Casing Elevation (feet AMSL)	Screen Interval (feet bgs)	Average Depth to Water (feet)	Current Depth to Water (feet)	Total Well Depth (feet)
MW-5R	3-11-24	08:09:05	745.47	6 - 16	7.67	7.04	15.10
MW-14	3-11-24	09:38	744.98	6 - 16	7.74	7.70	15.73
MW-18	3-11-24	10:12	744.98	6 - 16	13.51	13.45	15.60
MW-19	3-11-24	10:23	743.07	6 - 16	8.36	8.32	15.50
MW-20	3-11-24	10:21	744.10	6 - 16	12.74	12.66	15.53
MW-17	3-11-24	10:08	745.44	6 - 16	10.70	10.34	15.65
MW-15	3-11-24	09:28	746.37	6 - 16	11.49	11.15	15.78
MW-7	3-11-24	08:50	748.27	6 - 16	10.59	10.38	16.14
MW-10	3-11-24	09:14	745.95	8 - 18	6.42	6.39	18.31
MW-11	3-11-24	09:21	745.66	8 - 18	6.04	5.96	18.19
MW-6	NS	NS	745.35	6 - 16	6.62	NS	NS
MW-1	3-11-24	08:53	749.45	N/A	11.46	11.09	22.81
MW-13	3-11-24	10:29	744.38	5 - 20	9.65	9.49	18.58
MW-22	3-11-24	09:04	745.20	5 - 15	6.90	6.24	14.68
MW-8	3-11-24	08:58	744.88	8 - 18	6.80	6.40	17.35
MW-23	3-11-24	09:48	745.29	7 - 17	9.69	9.20	17.11
MW-24	3-11-24	10:39	744.62	8 - 18	9.25	8.61	17.74
MW-21	3-11-24	09:40	744.81	6 - 16	8.21	7.90	15.64
MW-16	3-11-24	10:33	744.93	6 - 16	9.09	8.90	15.56
MW-4R	3-11-24	09:08	745.52	7 - 17	8.13	7.80	16.24
MW-9	3-11-24	09:52	744.77	8 - 18	8.13	7.79	17.68
MW-3	3-11-24	10:46	744.52	N/A	6.94	6.54	18.90
MW-12R	3-11-24	10:49	745.11	7.5 - 17.5	8.45	7.82	16.64

* Indicates preferred gauging and sampling order

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

 Well ID: MW1

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

 Date Purged: 3-11-24

 Start (2400hr): 13:00 End (2400hr): 13:15

 Date Sampled: 3-11-24

 Sample Time (2400hr): 13:15

 Sample Type: GW

 Low-Flow Used? Yes

Casing Diameter:

 2" ☒ 3" ☐ 4" ☐
 (0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

 Depth to Bottom (ft): 22.81

 Depth to Water (ft): 11.36

 Water Column Height (ft): 11.45

 Actual Purge Volume (gal): 0.5

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
13:05	0.1	11.30	7.95	13.5	156.7	478.1	2.32	9.65
13:10	0.1	11.30	7.95	13.5	157.5	479.7	2.31	8.64
13:15	0.1	11.35	7.95	13.2	156.9	475.3	2.23	9.94

Stabilization Criteria:

Calculated Variance of Final Three Samples:

±0.1 3% ±10mV 3% 10% 10%

 pH: 8 Temp: 13.2 ORP: 156.9 Cond: 475.3 DO: 2.23

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass		1 L	None	No	
Poly Tube		50 ml	None	No	
VOA Glass		40 ml	HCL	No	
Poly		250 ml	HNO3	No	
Poly		250 ml	HNO3	Yes	
Poly		500L	None	No	
Poly		250 ml	H2SO4	No	
Poly		250 ml	None	No	
Poly		500 ml	H2SO4	No	
Total Bottles	7				

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

 Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

 Well Pad Condition: Good

 Well Casing Condition: Good

 Well Vault Condition: Good

 Seal Present?: Y Bolts Present?: N

 Well Integrity: Good

 Well Tag:

Notes:

 Sampled By: Gavin Rorie

 Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW-3

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-14-24

Date Sampled: 3-14-24

Sample Type: GW

Start (2400hr): 0856 End (2400hr): 0910

Sample Time (2400hr): 0915

Low-Flow Used? Yes

Casing Diameter:

2" X 3" 4"
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 18.90

Depth to Water (ft): 6.64

Water Column Height (ft): 12.26

Actual Purge Volume (gal): 1

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
0855	0.3	6.92	7.88	10.8	118.6	1836	2.93	2.38
0900	0.3	7.05	7.89	11.1	116	1855	2.66	1.94
0905	0.3	7.11	7.89	11.2	115	1850	2.58	1.86
0910	0.3	7.19	7.88	11.3	114	1858	2.62	0.1

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

pH: 0.01 Temp: 2% ORP: 2mV Cond: <1% DO: 3%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	Amount & Volume	Preservative	Filter	Other
Amber Glass	2 1 L	None	No	
Poly Tube	2 50 ml	None	No	
VOA Glass	3 40 ml	HCL	No	
Poly	1 250 ml	HNO3	No	
Poly	1 250 ml	HNO3	Yes	
Poly	1 500L	None	No	
Poly	2 250 ml	H2SO4	No	
Poly	1 250 ml	None	No	
Poly	1 500 ml	H2SO4	No	
Total Bottles	14			

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes X No

Well Pad Condition: Poor

Well Casing Condition: Poor

Well Vault Condition: Poor

Seal Present?: Yes Bolts Present?: No

Well Integrity: OK

Well Tag: 20

Notes:

Sampled By: Dana Hutchins

Signature: Dana Hutchins

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

 Well ID: MW4R

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

 Date Purged: 3-14-24

 Start (2400hr): 15:27 End (2400hr): 15:45

 Date Sampled: 3-14-24

 Sample Time (2400hr): 15:45

 Sample Type: GW

 Low-Flow Used? Yes

Casing Diameter:

 2" ☒ 3" ☐ 4" ☐
 (0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

 Depth to Bottom (ft): 16.24

 Depth to Water (ft): 7.72

 Water Column Height (ft): 8.52

 Actual Purge Volume (gal): 1

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
15:32	0.1	8.20	7.78	14.6	85.9	2283	3.25	9.41
15:37	0.1	8.25	7.78	14.9	84.3	2297	3.15	5.21
15:42	0.1	8.30	7.78	14.7	84.4	2288	3.20	6.38

Stabilization Criteria:

±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

 pH: 7.78 Temp: 13.9 ORP: 1.5mV Cond: <1% DO: 3%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume		Preservative	Filter	Other
Amber Glass	✓	2	1 L	None	No	
Poly Tube	✓	2	50 ml	None	No	
VOA Glass	✓	3	40 ml	HCL	No	
Poly	✓	1	250 ml	HNO3	No	
Poly	✓	1	250 ml	HNO3	Yes	
Poly	✓	2	500L	None	No	
Poly	✓	2	250 ml	H2SO4	No	
Poly	✓	1	250 ml	None	No	
Poly	✓	1	500 ml	H2SO4	No	
Total Bottles		14				

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

 Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

 Well Pad Condition: Good

 Well Casing Condition: Good

 Well Vault Condition: Good

 Seal Present?: Y Bolts Present?: Y

 Well Integrity: Good

 Well Tag:

 Notes: Slowest possible pump speed without it shutting off

 Sampled By: Gavin Rorie

 Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW5R

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-14-24

Start (2400hr): 14:00 End (2400hr): 14:30

Date Sampled: 3-14-24

Sample Time (2400hr): 14:30

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒

3"

4"

Casing Volume (gallons per foot):

(0.17)

(0.38)

(0.67)

Depth to Bottom (ft): 15.10

Depth to Water (ft): 7.18

Water Column Height (ft): 7.92

Actual Purge Volume (gal): 2991

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
14:05	0.1	7.20	7.48	14.1	-40.4	2469	2.85	25.8
14:10	0.2	7.20	7.48	13.8	-20.7	2453	2.71	29.9
14:15	0.4	7.20	7.48	13.8	-23.7	2443	2.74	24.2
14:20	0.5	7.20	7.47	13.5	-34.6	2424	2.67	21.4
14:25	0.5	7.20	7.47	13.6	-40.4	2426	2.49	16.5
14:30	0.5	7.20	7.46	13.4	-43.7	2413	2.65	15.4

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

pH: 0.01 Temp: 1.47% ORP: -9.1 Cond: 0.54% DO: 6.74%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	✓	2 1 L	None	No	
Poly Tube	✓	2 50 ml	None	No	
VOA Glass	✓	3 40 ml	HCL	No	
Poly	✓	1 250 ml	HNO3	No	
Poly	✓	1 250 ml	HNO3	Yes	
Poly	✓	1 500L	None	No	
Poly	✓	2 250 ml	H2SO4	No	
Poly	✓	1 250 ml	None	No	
Poly	✓	1 500 ml	H2SO4	No	

Total Bottles

14

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y Bolts Present?: ✓

Well Integrity: Good

Well Tag:

Notes: Field Filter used for total metals

Sampled By: Dana Hutchins

Signature: Dana Hutchins

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

 Project Name: Bee-Jay Scales

 Well ID: MW07

 Project Manager: Marisa Kaffenberger

 Lab: Eurofins

 Field Technicians: Dana Hutchins/Gavin Rorie

 Project No: 182604043(CEMC)/182604044(BP)

 Date Purged: 3-11-24

 Start (2400hr): 12:10 End (2400hr): 12:25

 Date Sampled: 3-11-24

 Sample Time (2400hr): 12:25

 Sample Type: GW

 Low-Flow Used? Yes

Casing Diameter:

2" ✓ 3" 4"
 (0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

 Depth to Bottom (ft): 16.14

 Depth to Water (ft): 10.38

 Water Column Height (ft): 5.76

 Actual Purge Volume (gal): 0.5

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
12:15	0.1	10.60	8.00	13.00	190.9	384.4	48.7	17.9
12:20	0.2	10.65	8.01	12.9	186.5	383.3	54.4	16.7
12:25	0.2	10.71	8.02	13.1	182.3	385.6	55.3	19.5

 Stabilization Criteria: ± 0.1 3% $\pm 10\text{mV}$ 3% 10% 10%

Calculated Variance of Final Three Samples

 pH: 8.0 Temp: 13.1 ORP: 182.3 Cond: 385.6 DO: 55.3

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass		1 L	None	No	
Poly Tube	✓	50 ml	None	No	
VOA Glass		40 ml	HCl	No	
Poly	✓	250 ml	HNO3	No	✓
Poly		250 ml	HNO3	Yes	
Poly		500L	None	No	
Poly	✓	250 ml	H2SO4	No	
Poly		250 ml	None	No	
Poly		500 ml	H2SO4	No	

Total Bottles

3

 Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

 Flow Through Cell Disconnected Prior to Sample Collection? Yes ✓ No

 Well Pad Condition: Good

 Well Casing Condition: Good

 Well Vault Condition: Good

 Seal Present?: ✓ Bolts Present?: N

 Well Integrity: Good

Well Tag:

 Notes: Used 10 micron filter for total arsenic, accidentally collected DO in %, here are the converted numbers, 5.13, 5.75, 5.82 mg/L

 Sampled By: Gavin Rorie

 Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW-8

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-14-24

Start (2400hr): 1450 End (2400hr): 1505

Date Sampled: 3-14-24

Sample Time (2400hr): 1516

Sample Type: GW

Low-Flow Used? yes dep 61515

Casing Diameter:

2" 0 3" 0 4" 0
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 17.32

Depth to Water (ft): 6.37

Water Column Height (ft): 10.95

Actual Purge Volume (gal): 1

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
1455	0.2	6.54	7.67	13.8	56.8	1025	3.01	13.7
1500	0.2	6.55	7.70	13.9	58.8	1025	2.94	11.2
1505	0.2	6.55	7.70	14.1	59.5	1029	2.90	3.76

Stabilization Criteria: ± 0.1 3% $\pm 10\text{mV}$ 3% 10% 10%

Calculated Variance of Final Three Samples

pH: 0.03 Temp: 2% ORP: 2.7mV Cond: <1% DO: 3.7%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	Amount & Volume	Preservative	Filter	Other
Amber Glass	1 L	None	No	
Poly Tube	2 50 ml	None	No	
VOA Glass	40 ml	HCL	No	
Poly	1 250 ml	HNO3	No	
Poly	1 250 ml	HNO3	Yes	
Poly	1 500L	None	No	
Poly	2 250 ml	H2SO4	No	
Poly	1 250 ml	None	No	
Poly	1 500 ml	H2SO4	No	

Total Bottles

9 12

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes X No

Well Pad Condition: OK

Well Casing Condition: OK

Well Vault Condition: OK

Seal Present?: yes Bolts Present?: no

Well Integrity: OK

Well Tag: yes

Notes: Collected MW-8-W-240314 and dep MW-8-WD-240314

Sampled By: Dana Hutchins

Signature: Dana Hutchins

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales
 Project Manager: Marisa Kaffenberger
 Field Technicians: Dana Hutchins/Gavin Rorie

Well ID: MW9
 Lab: Eurofins
 Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-12-24
 Date Sampled: 3-12-24
 Sample Type: GW

Start (2400hr): 10:25 End (2400hr): 10:50
 Sample Time (2400hr): 10:50
 Low-Flow Used? Yes

Casing Diameter: 2" X 3" 4"
 Casing Volume (gallons per foot): (0.17) (0.38) (0.67)

Depth to Bottom (ft): 17.68
 Depth to Water (ft): 7.88
 Water Column Height (ft): 9.80

Actual Purge Volume (gal): 1.59 gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
10:30	0.2	8.10	7.52	11.5	51.9	1998	2.84	7.04
10:35	0.2	8.10	7.51	11.6	48.9	1963	2.74	4.96
10:40	0.4	8.16	7.50	12.1	48.3	1964	2.52	6.42
10:45	0.4	8.20	7.49	12.1	48.5	1960	2.48	7.14
10:50	0.4	8.20	7.50	12.1	48.3	1957	2.48	7.70

Stabilization Criteria: ± 0.1 3% $\pm 10\text{mV}$ 3% 10% 10%

Calculated Variance of Final Three Samples

pH: 0.01 Temp: 0 ORP: 0.41% Cond: 0.15% DO: 1.59%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass		2 1 L	None	No	
Poly Tube		2 50 ml	None	No	
VOA Glass		3 40 ml	HCL	No	
Poly		1 250 ml	HNO3	No	
Poly		1 250 ml	HNO3	Yes	
Poly		1 500L	None	No	
Poly		2 250 ml	H2SO4	No	
Poly		1 250 ml	None	No	
Poly		1 500 ml	H2SO4	No	

Total Bottles

14

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y Bolts Present?: Y

Well Integrity: Good

Well Tag:

Notes:

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: Mw10

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-11-24

Start (2400hr): 13:58 End (2400hr): 14:35

Date Sampled: 3-11-24

Sample Time (2400hr): 14:35

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒

3"

4"

Casing Volume (gallons per foot):

(0.17)

(0.38)

(0.67)

Depth to Bottom (ft): 18.31

Depth to Water (ft): 6.30

Water Column Height (ft): 12.01

Actual Purge Volume (gal): 1

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
14:03	0.3	6.30	8.08	13.1	-188.4	438.6	2.36	10.3 10.3
14:08	0.3	6.30	8.08	13.1	-131.0	439.7	1.88	10.2 6.2
14:13	0.3	6.30	8.08	13.2	-76.0	440.0	2.01	5.55
14:18	0.3	6.30	8.09	13.1	-40.8	439.4	1.88	4.78
14:23	0.3	6.30	8.10	13.0	-34.6	440.1	1.93	5.58
14:28	0.3	6.30	8.10	13.0	-49.3	440.9	2.11	8.02
14:33	0.3	6.30	8.10	13.0	-71.8	441.9	1.93	5.95

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

pH: 0

Temp: 0

ORP: 0.52

Cond: >1

DO: >1

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	Amount & Volume	Preservative	Filter	Other
Amber Glass	1 L	None	No	
Poly Tube	50 ml	None	No	
VOA Glass	40 ml	HCL	No	
Poly	250 ml	HNO3	No	
Poly	250 ml	HNO3	Yes	
Poly	500L	None	No	
Poly	250 ml	H2SO4	No	
Poly	250 ml	None	No	
Poly	500 ml	H2SO4	No	
Total Bottles	<u>3</u>			

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y

Bolts Present?: N

Well Integrity: Good

Well Tag:

Notes: Well failed to stabilize but 3 boring volumes of purging

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW11

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-12-24

Start (2400hr): 13:37 End (2400hr): 14:05

Date Sampled: 3-12-24

Sample Time (2400hr): 14:05

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒

3"

4"

Casing Volume (gallons per foot):

(0.17)

(0.38)

(0.67)

Depth to Bottom (ft): 18.19

Depth to Water (ft): 6.00

Water Column Height (ft): 12.19

Actual Purge Volume (gal): 2

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
13:42	0.3	6.02	7.86	15.0	122.2	541	4.14	70.1
13:47	0.3	6.02	7.89	14.7	120.6	534	4.05	26.8
13:52	0.5	6.07	7.89	15.4	119.0	537	3.71	20.3
13:57	0.5	6.07	7.91	15.5	119.0	636	3.64	12.4
14:02	0.5	6.07	7.90	15.6	118.9	537	3.57	9.19

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

pH: 0.02 Temp: 1.28% ORP: 0.1 Cond: 0.19 DO: 3.77%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	Amount & Volume	Preservative	Filter	Other
Amber Glass	1 L	None	No	
Poly Tube	50 ml	None	No	
VOA Glass	40 ml	HCL	No	
Poly	250 ml	HNO3	No	
Poly	250 ml	HNO3	Yes	
Poly	500L	None	No	
Poly	250 ml	H2SO4	No	
Poly	250 ml	None	No	
Poly	500 ml	H2SO4	No	
Total Bottles	9			

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y

Bolts Present?: Y

Well Integrity: Good

Well Tag:

Notes:

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW12R

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-14-24

Start (2400hr): 07:55 End (2400hr): 08:30

Date Sampled: 3-14-24

Sample Time (2400hr): 08:30

Sample Type: GW

Low-Flow Used? YES

Casing Diameter:

2" ☒

3"

4"

Casing Volume (gallons per foot):

(0.17)

(0.38)

(0.67)

Depth to Bottom (ft): 16.64

Depth to Water (ft): 7.90

Water Column Height (ft): 8.74

Actual Purge Volume (gal): 0.5gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
08:00	0.1	9.20	7.15	9.1	160.9	4177	2.81	7.16
08:05	0.1	9.33	7.22	9.3	137.7	3765	2.81	5.87
08:10	0.1	9.40	7.24	9.4	133.3	3507	2.75	5.66
08:15	0.1	9.47	7.31	9.6	127.7	3085	2.66	5.49
08:20	0.1	9.60	7.42	10.6	121.5	2470	2.43	6.60
08:25	0.1	9.70	7.49	10.4	115.5	2161	2.48	5.18
08:30	0.1	9.80	7.45	10.9	113.5	2276	2.40	6.76

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples:

pH: 7.45

Temp: 4.59°C

ORP: 8

Cond: 12.51%

DO: 3.23%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	✓	2 1 L	None	No	
Poly Tube	✓	2 50 ml	None	No	
VOA Glass	✓	3 40 ml	HCL	No	
Poly	✓	1 250 ml	HNO3	No	
Poly	✓	1 250 ml	HNO3	Yes	
Poly	✓	1 500L	None	No	
Poly	✓	2 250 ml	H2SO4	No	
Poly	✓	1 250 ml	None	No	
Poly	✓	1 500 ml	H2SO4	No	

Total Bottles

14

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: ☒ Bolts Present?: ☒

Well Integrity: Good

Well Tag:

Notes: Well failed to stabilize conductivity was outside of parameters

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW13

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-12-24

Date Sampled: 3-12-24

Sample Type: GW

Start (2400hr): 15:10 End (2400hr): 15:25

Sample Time (2400hr): 15:25

Low-Flow Used? Yes

Casing Diameter:

2" ☒ 3" ☐ 4" ☐
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 18.58

Depth to Water (ft): 9.60

Water Column Height (ft): 8.98

Actual Purge Volume (gal): 1.5 gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
15:15	0.3	9.75	7.70	15.3	75.0	754	2.77	4.37
15:20	0.3	9.81	7.70	15.3	68.2	755	2.73	4.97
15:25	0.3	9.87	7.70	15.2	65.1	754	2.71	4.04

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

pH: 0

Temp: 0.65%

ORP: 9.9

Cond: 0.13%

DO: 2.17%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	✓	2 1 L	None	No	
Poly Tube	✓	2 50 ml	None	No	
VOA Glass	✓	3 40 ml	HCL	No	
Poly	✓	1 250 ml	HNO3	No	
Poly	✓	1 250 ml	HNO3	Yes	
Poly	✓	1 500L	None	No	
Poly	✓	2 250 ml	H2SO4	No	
Poly	✓	1 250 ml	None	No	
Poly	✓	1 500 ml	H2SO4	No	
Total Bottles		14			

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: ☒ Bolts Present?: ☒

Well Integrity: Good

Well Tag:

Notes:

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW14

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-11-24

Start (2400hr): 14:58 End (2400hr): 15:16

Date Sampled: 3-11-24

Sample Time (2400hr): 15:15

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒ 3" ☐ 4" ☐
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 15.73

Depth to Water (ft): 7.71

Water Column Height (ft): 8.02

Actual Purge Volume (gal): 0.5

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
15:03	0.3	7.75	7.34	12.5	-131.0	876	2.11	48.2
15:08	0.3	7.75	7.35	12.6	-130.8	867	2.11	40.4
15:13	0.3	7.75	7.35	12.6	-129.1	856	2.14	32.5

Stabilization Criteria:

±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

pH: 7.01 Temp: >1 ORP: 1.9 Cond: 2.3 DO: 1.4

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass		1 L	None	No	
Poly Tube	✓	50 ml	None	No	
VOA Glass		40 ml	HCL	No	
Poly		250 ml	HNO3	No	
Poly	✓	250 ml	HNO3	Yes	
Poly		500L	None	No	
Poly	✓	250 ml	H2SO4	No	
Poly		250 ml	None	No	
Poly		500 ml	H2SO4	No	
Total Bottles		<u>3</u>			

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y Bolts Present?: N

Well Integrity: Good

Well Tag: ✓

Notes: 10 micron filter for the total arsenic

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

 Well ID: MW15

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

 Date Purged: 3-12-24

 Start (2400hr): 11:40 End (2400hr): 12:00

 Date Sampled: 3-12-24

 Sample Time (2400hr): 12:00

 Sample Type: GW

 Low-Flow Used? Yes

Casing Diameter:

 2" ☒ 3" ☐ 4" ☐
 (0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

 Depth to Bottom (ft): 15.78

 Depth to Water (ft): 11.26

 Water Column Height (ft): 4.52

 Actual Purge Volume (gal): 1.0 Gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
11:45	0.2	11.40	8.06	14.1	61.6	404.2	4.76	6.85
11:50	0.2	11.49	8.05	14.3	64.3	402.1	4.56	4.58
11:55	0.2	11.55	8.05	14.5	65.3	404.4	4.67	4.90
12:00								

Stabilization Criteria: ±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

 pH: 0.01 Temp: 2.76% ORP: 3.7 Cond: 0.57% DO: 4.20%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	☒	2 1 L	None	No	
Poly Tube	☒	1 50 ml	None	No	
VOA Glass	☒	3 40 ml	HCL	No	
Poly	☒	1 250 ml	HNO3	No	
Poly		250 ml	HNO3	Yes	
Poly		500L	None	No	
Poly	☒	1 250 ml	H2SO4	No	
Poly		250 ml	None	No	
Poly		500 ml	H2SO4	No	

Total Bottles

8

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

 Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No

 Well Pad Condition: Good

 Well Casing Condition: Good

 Well Vault Condition: Good

 Seal Present?: ☒ Bolts Present?: ☒

 Well Integrity: Good

Well Tag:

Notes:

 Sampled By: Gavin Rorie

 Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

 Well ID: MW16

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

 Date Purged: 3-14-24

 Start (2400hr): 10:15 End (2400hr): 10:45

 Date Sampled: 3-14-24

 Sample Time (2400hr): 10:45

 Sample Type: GW

 Low-Flow Used? Yes

Casing Diameter:

 2" ☒ 3" ☐ 4" ☐
 (0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

 Depth to Bottom (ft): 15.56

 Depth to Water (ft): 9.00

 Water Column Height (ft): 6.56

 Actual Purge Volume (gal): 199

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
10:20	0.2	9.23	7.33	12.5	127.4	2124	2.97	20.0
10:25	0.2	9.35	7.30	11.9	129.6	2105	2.78	20.7
10:30	0.1	9.38	7.33	11.3	131.9	2077	2.97	22.5
10:35	0.1	9.45	7.34	11.7	133.8	2092	2.84	19.2
10:40	0.1	9.50	7.34	11.7	135.2	2095	2.85	18.3
10:45	0.1	9.51	7.33	11.9	135.9	2110	2.85	15.0

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

 pH: 7.00

 Temp: 1.68%

 ORP: 1.55%

 Cond: 0.85%

 DO: 0.35%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	✓	2 1 L	None	No	
Poly Tube	✓	2 50 ml	None	No	
VOA Glass	✓	3 40 ml	HCL	No	
Poly	✓	1 250 ml	HNO3	No	
Poly	✓	1 250 ml	HNO3	Yes	
Poly	✓	1 500L	None	No	
Poly	✓	2 250 ml	H2SO4	No	
Poly	✓	1 250 ml	None	No	
Poly	✓	1 500 ml	H2SO4	No	
Total Bottles		14			

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

 Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

 Well Pad Condition: Good

 Well Casing Condition: Good

 Well Vault Condition: Good

 Seal Present?: ☒

 Bolts Present?: ☒

 Well Integrity: Good

Well Tag:

 Notes: Low flow cell is heating up in sun, 10 micron field filtered for total metals.

 Sampled By: Gavin Rorie

 Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW17

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-12-24

Start (2400hr): 08:53 End (2400hr): 09:15

Date Sampled: 3-12-24

Sample Time (2400hr): 09:15

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

 2" ☒ 3" ☐ 4" ☐
 (0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 15.65

Depth to Water (ft): 10.35

Water Column Height (ft): 5.30

Actual Purge Volume (gal): 1 Gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
08:58	0.2	10.45	7.70	12.3	117.6	413.0	4.16	28.1
09:03	0.2	10.50	7.80	12.2	116.3	419.7	4.19	18.7
09:08	0.2	10.53	7.83	12.7	116.1	426.2	4.05	12.4
09:13	0.4	10.51	7.85	12.5	117.0	424.0	4.11	9.95

Stabilization Criteria:

±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

pH: 8.05 Temp: 3.94°C ORP: 0.9 Cond: 1.63% DO: 3.34%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	✓	1 L	None	No	
Poly Tube	✓	50 ml	None	No	
VOA Glass		40 ml	HCL	No	
Poly		250 ml	HNO3	No	
Poly	✓	250 ml	HNO3	Yes	
Poly		500L	None	No	
Poly	✓	250 ml	H2SO4	No	
Poly		250 ml	None	No	
Poly		500 ml	H2SO4	No	

Total Bottles

3 x 2 = 6, Duplicate

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

 Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y Bolts Present?: Y

Well Integrity: Good

Well Tag: ✓

Notes:

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW18

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-12-24

Start (2400hr): 09:48 End (2400hr): 10:10

Date Sampled: 3-12-24

Sample Time (2400hr): 10:10

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒ 3" ☐ 4" ☐
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 15.60

Depth to Water (ft): 13.50

Water Column Height (ft): 2.10

Actual Purge Volume (gal): 1 gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
09:53	0.1	13.70	7.83	14.6	101.2	381.7	5.08	86.4
09:58	0.1	13.80	7.79	14.6	112.2	383.2	5.05	59.3
10:03	0.1	13.85	7.80	14.4	116.2	382.7	4.83	38.8
10:08	0.1	13.91	7.82	14.2	119.8	379.2	4.98	16.9

Stabilization Criteria: ±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

pH: 0.03 Temp: 2.74% ORP: 7.6 Cond: 1.04 DO: 4.36

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass		1 L	None	No	
Poly Tube	✓	50 ml	None	No	
VOA Glass		40 ml	HCL	No	
Poly		250 ml	HNO3	No	
Poly	✓	250 ml	HNO3	Yes	
Poly		500L	None	No	
Poly	✓	250 ml	H2SO4	No	
Poly		250 ml	None	No	
Poly		500 ml	H2SO4	No	

Total Bottles

3

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y Bolts Present?: N

Well Integrity: Good

Well Tag:

Notes: 10 micron filter used for Me total arsenic

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW19

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-12-24

Start (2400hr): 11:24 End (2400hr): 11:40

Date Sampled: 3-12-24

Sample Time (2400hr): 11:40

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒ 3" ☐ 4" ☐
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 15.50

Depth to Water (ft): 8.37

Water Column Height (ft): 7.13

Actual Purge Volume (gal): 1.0

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
11:29	0.4	9.07	7.42	15.2	115.3	475	4.27	557
11:34	0.2	9.11	7.40	15.2	118.8	476	4.30	269
11:39	0.2	9.30	7.39	15.4	120.4	479	4.36	218

Stabilization Criteria: ±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

pH: 0.03 Temp: 1.30 ORP: 5.1 Cond: 0.84 DO: 2.06

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	☒	2 1 L	None	No	
Poly Tube	☒	2 50 ml	None	No	
VOA Glass	☒	3 40 ml	HCL	No	
Poly	☒	1 250 ml	HNO3	No	
Poly	☒	1 250 ml	HNO3	Yes	
Poly	☒	1 500L	None	No	
Poly	☒	2 250 ml	H2SO4	No	
Poly	☒	1 250 ml	None	No	
Poly	☒	1 500 ml	H2SO4	No	

Total Bottles

14

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y Bolts Present?: N

Well Integrity: Good

Well Tag:

Notes: 10 micron field filter used for total metals

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW20

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-12-24

Date Sampled: 3-12-24

Sample Type: GW

Start (2400hr): 10:40 End (2400hr): 11:00

Sample Time (2400hr): 11:00

Low-Flow Used? yes

Casing Diameter:

Casing Volume (gallons per foot):

2"

(0.17)

3"

(0.38)

4"

(0.67)

Depth to Bottom (ft): 15.53

Depth to Water (ft): 12.70

Water Column Height (ft): 2.83

Actual Purge Volume (gal): 1

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
10:45	0.1	12.81	7.94	14.6	126.9	409.9	5.03	26.2
10:50	0.2	12.85	7.91	14.8	125.6	416.2	5.44	18.8
10:55	0.2	12.90	7.93	15.0	124.8	418.0	5.29	12.2

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

pH: 0.03

Temp: 2.66

ORP: 2.1

Cond: 1.94

DO: 7.54

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	✓	1 L	None	No	
Poly Tube	✓	50 ml	None	No	
VOA Glass	✓	40 ml	HCL	No	
Poly	✓	250 ml	HNO3	No	
Poly	✓	250 ml	HNO3	Yes	
Poly	✓	500L	None	No	
Poly	✓	250 ml	H2SO4	No	
Poly	✓	250 ml	None	No	
Poly	✓	500 ml	H2SO4	No	

Total Bottles

3

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ✓ No

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: ✓ Bolts Present?: ✓

Well Integrity: Good

Well Tag:

Notes:

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW21

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-12-24

Start (2400hr): 14:43 End (2400hr): 15:00

Date Sampled: 3-12-24

Sample Time (2400hr): 15:00

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒ 3" ☐ 4" ☐
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 15.64

Depth to Water (ft): 7.99

Water Column Height (ft): 7.65

Actual Purge Volume (gal): 0.25 gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
14:48	0.2	8.09	7.49	12.5	125.3	1821	3.31	10.1
14:53	0.2	8.11	7.49	12.5	121.8	1817	3.08	6.04
14:58	0.2	8.13	7.30	12.5	120.6	1810	2.99	3.17

Stabilization Criteria:

±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

pH: 0.04 Temp: 0 ORP: 4.6 Cond: 0.60 DO: 9.67

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume		Preservative	Filter	Other
Amber Glass		2	1 L	None	No	
Poly Tube		2	50 ml	None	No	
VOA Glass		2	40 ml	HCL	No	
Poly		1	250 ml	HNO3	No	
Poly		1	250 ml	HNO3	Yes	
Poly		1	500L	None	No	
Poly		2	250 ml	H2SO4	No	
Poly		1	250 ml	None	No	
Poly		1	500 ml	H2SO4	No	
Total Bottles		14				

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y Bolts Present?: Y

Well Integrity: Good

Well Tag: Y

Notes:

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW22

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-14-24

Start (2400hr): 12:17 End (2400hr): 12:40

Date Sampled: 3-14-24

Sample Time (2400hr): 12:40

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒ 3" ☐ 4" ☐
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 14.68

Depth to Water (ft): 6.30

Water Column Height (ft): 8.38

Actual Purge Volume (gal): 1 gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
12:17	0.2	8.51	7.72	12.4	104.5	910	3.79	7.85
12:27	0.2	8.57	7.69	12.2	111.9	891	3.51	3.80
12:32	0.03 0.3	8.62	7.69	12.2	116.2	879	3.51	3.05
12:37	0.3	8.67	7.68	12.3	122.9	867	3.34	3.42

Stabilization Criteria: ±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

pH: 7.72 Temp: 12.4°C ORP: 11 Cond: 2.69% DO: 4.84%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	✓	2 1 L	None	No	
Poly Tube	✓	2 50 ml	None	No	
VOA Glass	✓	3 40 ml	HCL	No	
Poly	✓	1 250 ml	HNO3	No	
Poly	✓	1 250 ml	HNO3	Yes	
Poly	✓	1 500L	None	No	
Poly	✓	2 250 ml	H2SO4	No	
Poly	✓	1 250 ml	None	No	
Poly	✓	1 500 ml	H2SO4	No	

Total Bottles

14

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y Bolts Present?: ✓

Well Integrity: Good

Well Tag: _____

Notes: _____

Sampled By: Gavin Rorie

Signature: Gavin Rorie

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

Project Name: Bee-Jay Scales

Well ID: MW23

Project Manager: Marisa Kaffenberger

Lab: Eurofins

Field Technicians: Dana Hutchins/Gavin Rorie

Project No: 182604043(CEMC)/182604044(BP)

Date Purged: 3-13-24

Start (2400hr): 08:45 End (2400hr): 09:20

Date Sampled: 3-13-24

Sample Time (2400hr): 09:20

Sample Type: GW

Low-Flow Used? Yes

Casing Diameter:

2" ☒ 3" ☐ 4" ☐
(0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

Depth to Bottom (ft): 17.11

Depth to Water (ft): 9.34

Water Column Height (ft): 7.77

Actual Purge Volume (gal): 1.61

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
08:50	0.2	9.57	7.39	11.1	1.3	3003	2.81	22.1
08:55	0.2	9.65	7.39	11.4	-6.3	3002	2.85	22.9
09:00	0.2	9.67	7.40	11.3	-22.5	3023	2.90	23.0
09:05	0.3	9.70	7.39	12.0	-31.8	3075	2.70	23.9
09:10	0.3	9.80	7.39	12.1	-37.9	3119	2.63	21.7
09:15	0.3	9.84	7.39	12.3	-40.1	3138	2.49	22.5

Stabilization Criteria:

±0.1

3%

±10mV

3%

10%

10%

Calculated Variance of Final Three Samples

pH: 0.0 Temp: 2.44% ORP: -8.3

Cond: 2.01% DO: 7.78%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass		2 1 L	None	No	
Poly Tube		2 50 ml	None	No	
VOA Glass		3 40 ml	HCL	No	
Poly		1 250 ml	HNO3	No	
Poly		1 250 ml	HNO3	Yes	
Poly		500L	None	No	
Poly		2 250 ml	H2SO4	No	
Poly		1 250 ml	None	No	
Poly		1 500 ml	H2SO4	No	
Total Bottles		14			

Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

Well Pad Condition: Good

Well Casing Condition: Good

Well Vault Condition: Good

Seal Present?: Y

Bolts Present?: Y

Well Integrity: Good

Well Tag:

Notes: 10 micron field filtered used on total metals

Sampled By: Gavin Rorie

Signature: [Signature]

LOW-FLOW GROUNDWATER SAMPLING DATA SHEET

 Project Name: Bee-Jay Scales

 Well ID: MW24

 Project Manager: Marisa Kaffenberger

 Lab: Eurofins

 Field Technicians: Dana Hutchins/Gavin Rorie

 Project No: 182604043(CEMC)/182604044(BP)

 Date Purged: 3-12-24

 Start (2400hr): 13:40 End (2400hr): 14:15

 Date Sampled: 3-12-24

 Sample Time (2400hr): 14:15

 Sample Type: GW

 Low-Flow Used? Yes

Casing Diameter:

 2" ☒ 3" ☐ 4" ☐
 (0.17) (0.38) (0.67)

Casing Volume (gallons per foot):

 Depth to Bottom (ft): 17.74

 Depth to Water (ft): ~~8.94~~ 8.80

 Water Column Height (ft): ~~9.00~~ 8.94

 Actual Purge Volume (gal): 1.5gal

Field Measurements

Time (24-hr)	Flowrate (L/Min)	DTW (feet)	PH	Temp. (°C)	ORP (mV)	Cond. (µS/cm)	DO (mg/L)	Turb. (NTU)
13:45	0.2	9.00	7.70	12.7	76.9	1020	3.99	7.37
13:50	0.2 0.3	9.05	7.69	12.8	78.2	1026	3.89	7.05
13:55	0.3	9.10	7.67	12.8	80.9	1057	3.83	6.40
14:00	0.4	9.11	7.66	12.8	83.0	1074	3.85	6.37
14:05	0.4	9.16	7.66	13.0	83.4	1094	3.65	6.71
14:10	0.4	9.20	7.65	12.9	84.4	1120	3.59	6.34
14:15	0.4	9.22	7.65	13.0	84.5	1134	3.45	7.31

Stabilization Criteria:

±0.1 3% ±10mV 3% 10% 10%

Calculated Variance of Final Three Samples

 pH: 0.01 Temp: 0.77% ORP: 1.1 Cond: 3.53% DO: 5.48%

Flow rate range 0.1-0.5 L/min; Optimal total drawdown <0.3'

Bottle Type	✓	Amount & Volume	Preservative	Filter	Other
Amber Glass	✓	2 1 L	None	No	
Poly Tube	✓	2 50 ml	None	No	
VOA Glass	✓	3 40 ml	HCL	No	
Poly	✓	1 250 ml	HNO3	No	
Poly	✓	1 250 ml	HNO3	Yes	
Poly	✓	1 500L	None	No	
Poly	✓	2 250 ml	H2SO4	No	
Poly	✓	1 250 ml	None	No	
Poly	✓	1 500 ml	H2SO4	No	
Total Bottles		14			

 Purging/Sampling Equipment: Peristaltic Pump/YSI Plus Multimeter

 Flow Through Cell Disconnected Prior to Sample Collection? Yes ☒ No ☐

 Well Pad Condition: Good

 Well Casing Condition: Good

 Well Vault Condition: Good

 Seal Present?: Yes

 Bolts Present?: Yes

 Well Integrity: Good

Well Tag:

 Notes: Well failed to stabilize, conductivity was outside parameters

 Sampled By: Gavin Rorie

 Signature: [Signature]

APPENDIX B

Analytical Laboratory Reports

ANALYTICAL REPORT

PREPARED FOR

Attn: Marisa Kaffenberger
Stantec Consulting Corporation
2321 Club Meridian Drive
Suite E
Okemos, Michigan 48864

Generated 3/22/2024 5:39:52 PM

JOB DESCRIPTION

Bee Jay Scales

JOB NUMBER

410-163744-1

Eurofins Lancaster Laboratories Environment Testing, LLC

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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3/22/2024 5:39:52 PM

Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.

General Chemistry

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
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.

Glossary

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

Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-163744-1

Job ID: 410-163744-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-163744-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 3/13/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8°C and 3.0°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Preservation. This does not meet regulatory requirements.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed on 410-484496 is compliant under 8260C/D method criteria for Acetone. The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-484496 recovered outside acceptance criteria, low biased, for 2-Methylnaphthalene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: TB-1-W-240312 (410-163744-12). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

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

Herbicides

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

HPLC/IC

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

Metals

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

General Chemistry

Method 353.2_Nitrite: Reanalysis of the following samples was performed outside of the analytical holding time due to failure of quality control parameters in the initial analysis. MW-7-W-240311 (410-163744-1), MW-1-W-240311 (410-163744-2), EB-1-W-240311 (410-163744-3), MW-10-W-240311 (410-163744-4), MW-14-W-240311 (410-163744-5), MW-17-W-240312 (410-163744-6), MW-17-WD-240312 (410-163744-7), MW-18-W-240312 (410-163744-8) and MW-20-W-240312 (410-163744-9)

Method SM5210B_Calc: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-1-W-240311 (410-163744-2) and EB-1-W-240311 (410-163744-3).

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

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: MW-7-W-240311

Lab Sample ID: 410-163744-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.014		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	1.6		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: MW-1-W-240311

Lab Sample ID: 410-163744-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	34		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Arsenic	0.012		0.0020	0.00068	mg/L	1		6020B	Total
Iron	0.032	J	0.052	0.021	mg/L	1		6020B	Recoverable Dissolved
Bicarbonate Alkalinity as CaCO3	240		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	240		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	7.8		0.10	0.040	mg/L	1		353.2	Total/NA

Client Sample ID: EB-1-W-240311

Lab Sample ID: 410-163744-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	5.8		1.5	0.50	mg/L	1		EPA 300.0 R2.1	Total/NA
Bicarbonate Alkalinity as CaCO3	6.4	J	8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	6.4	J	8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	0.14		0.10	0.040	mg/L	1		353.2	Total/NA

Client Sample ID: MW-10-W-240311

Lab Sample ID: 410-163744-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.021		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	2.8		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA
Nitrite as N	0.11	H cn	0.050	0.015	mg/L	1		353.2	Total/NA

Client Sample ID: MW-14-W-240311

Lab Sample ID: 410-163744-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0061		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	0.21		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA
Nitrite as N	0.098	H cn	0.050	0.015	mg/L	1		353.2	Total/NA

Client Sample ID: MW-17-W-240312

Lab Sample ID: 410-163744-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.012		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	3.8		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: MW-17-WD-240312

Lab Sample ID: 410-163744-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.012		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	4.1		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: MW-18-W-240312

Lab Sample ID: 410-163744-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.018		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	3.1		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: MW-20-W-240312

Lab Sample ID: 410-163744-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.019		0.0020	0.00068	mg/L	1		6020B	Total
Nitrate as N	7.0		0.10	0.040	mg/L	1		353.2	Recoverable Total/NA

Client Sample ID: EB-1-W-240312

Lab Sample ID: 410-163744-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	0.14		0.10	0.040	mg/L	1		353.2	Total/NA

Client Sample ID: MW-19-W-240312

Lab Sample ID: 410-163744-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	2.6	J	5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	13		1.0	0.30	ug/L	1		8260D	Total/NA
Sulfate	23		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Arsenic	0.011		0.0020	0.00068	mg/L	1		6020B	Total
Iron	0.60		0.050	0.020	mg/L	1		6020B	Recoverable Total
Manganese	0.17		0.0020	0.00095	mg/L	1		6020B	Recoverable Total
Iron	0.17		0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	140		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	140		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	3.8		0.10	0.040	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.40		0.10	0.050	mg/L	1		365.1	Total/NA

Client Sample ID: TB-1-W-240312

Lab Sample ID: 410-163744-12

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: MW-7-W-240311

Lab Sample ID: 410-163744-1

Date Collected: 03/11/24 12:25

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014		0.0020	0.00068	mg/L		03/14/24 07:45	03/20/24 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	1.6		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/14/24 13:59	1

Client Sample ID: MW-1-W-240311

Lab Sample ID: 410-163744-2

Date Collected: 03/11/24 13:15

Matrix: Water

Date Received: 03/13/24 09:40

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	34		7.5	2.5	mg/L			03/18/24 13:45	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012		0.0020	0.00068	mg/L		03/14/24 07:50	03/20/24 15:45	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.032	J	0.052	0.021	mg/L		03/14/24 08:10	03/21/24 12:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 22:01	1
Carbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 22:01	1
Bicarbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	240		8.0	2.6	mg/L			03/14/24 22:01	1
Total Alkalinity as CaCO ₃ to pH 4.5 (SM 2320B-2011)	240		8.0	2.6	mg/L			03/14/24 22:01	1
Phenolphthalein Alkalinity as CaCO ₃ to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 22:01	1
Nitrate as N (EPA 353.2)	7.8		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/14/24 13:59	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND	H cn	2.0	2.0	mg/L			03/13/24 22:15	1

Client Sample ID: EB-1-W-240311

Lab Sample ID: 410-163744-3

Date Collected: 03/11/24 13:30

Matrix: Water

Date Received: 03/13/24 09:40

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	5.8		1.5	0.50	mg/L			03/18/24 14:10	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/14/24 07:45	03/20/24 17:54	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: EB-1-W-240311

Lab Sample ID: 410-163744-3

Date Collected: 03/11/24 13:30

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/14/24 08:10	03/21/24 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 21:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 21:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	6.4	J	8.0	2.6	mg/L			03/14/24 21:42	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	6.4	J	8.0	2.6	mg/L			03/14/24 21:42	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 21:42	1
Nitrate as N (EPA 353.2)	0.14		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/14/24 13:59	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND	H cn	2.0	2.0	mg/L			03/13/24 22:15	1

Client Sample ID: MW-10-W-240311

Lab Sample ID: 410-163744-4

Date Collected: 03/11/24 14:35

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.021		0.0020	0.00068	mg/L		03/14/24 07:45	03/20/24 17:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	2.8		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	0.11	H cn	0.050	0.015	mg/L			03/14/24 13:59	1

Client Sample ID: MW-14-W-240311

Lab Sample ID: 410-163744-5

Date Collected: 03/11/24 15:15

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0061		0.0020	0.00068	mg/L		03/14/24 07:45	03/20/24 17:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.21		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	0.098	H cn	0.050	0.015	mg/L			03/14/24 14:00	1

Client Sample ID: MW-17-W-240312

Lab Sample ID: 410-163744-6

Date Collected: 03/12/24 09:15

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012		0.0020	0.00068	mg/L		03/14/24 07:45	03/20/24 17:34	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: MW-17-W-240312

Lab Sample ID: 410-163744-6

Date Collected: 03/12/24 09:15

Matrix: Water

Date Received: 03/13/24 09:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	3.8		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/14/24 14:00	1

Client Sample ID: MW-17-WD-240312

Lab Sample ID: 410-163744-7

Date Collected: 03/12/24 09:20

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012		0.0020	0.00068	mg/L		03/14/24 07:45	03/20/24 17:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	4.1		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/14/24 14:00	1

Client Sample ID: MW-18-W-240312

Lab Sample ID: 410-163744-8

Date Collected: 03/12/24 10:10

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018		0.0020	0.00068	mg/L		03/14/24 07:50	03/20/24 15:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	3.1		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/14/24 14:00	1

Client Sample ID: MW-20-W-240312

Lab Sample ID: 410-163744-9

Date Collected: 03/12/24 11:00

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.019		0.0020	0.00068	mg/L		03/14/24 07:50	03/20/24 16:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	7.0		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/14/24 14:01	1

Client Sample ID: EB-1-W-240312

Lab Sample ID: 410-163744-10

Date Collected: 03/12/24 11:15

Matrix: Water

Date Received: 03/13/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/14/24 07:50	03/20/24 15:49	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: EB-1-W-240312

Lab Sample ID: 410-163744-10

Date Collected: 03/12/24 11:15

Matrix: Water

Date Received: 03/13/24 09:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	0.14		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/14/24 14:01	1

Client Sample ID: MW-19-W-240312

Lab Sample ID: 410-163744-11

Date Collected: 03/12/24 11:40

Matrix: Water

Date Received: 03/13/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 05:07	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/19/24 05:07	1
1,2,3-Trichloropropane	2.6	J	5.0	0.30	ug/L			03/19/24 05:07	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/19/24 05:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/19/24 05:07	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/19/24 05:07	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/19/24 05:07	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
1,2-Dichloropropane	13		1.0	0.30	ug/L			03/19/24 05:07	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/19/24 05:07	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
2-Butanone	ND		10	0.50	ug/L			03/19/24 05:07	1
2-Hexanone	ND		10	0.85	ug/L			03/19/24 05:07	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			03/19/24 05:07	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/19/24 05:07	1
Acetone	ND	cn	20	0.70	ug/L			03/19/24 05:07	1
Acrylonitrile	ND		20	1.6	ug/L			03/19/24 05:07	1
Benzene	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Bromobenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/19/24 05:07	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/19/24 05:07	1
Bromoform	ND		4.0	1.0	ug/L			03/19/24 05:07	1
Bromomethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/19/24 05:07	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Chloroethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Chloroform	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Chloromethane	ND		2.0	0.55	ug/L			03/19/24 05:07	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 05:07	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 05:07	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/19/24 05:07	1
Dibromomethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: MW-19-W-240312

Lab Sample ID: 410-163744-11

Date Collected: 03/12/24 11:40

Matrix: Water

Date Received: 03/13/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl ether	ND		5.0	0.30	ug/L			03/19/24 05:07	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/19/24 05:07	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/19/24 05:07	1
Methyl iodide	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/19/24 05:07	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Naphthalene	ND		5.0	1.0	ug/L			03/19/24 05:07	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
o-Xylene	ND		1.0	0.40	ug/L			03/19/24 05:07	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
Styrene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:07	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/19/24 05:07	1
Toluene	ND		1.0	0.30	ug/L			03/19/24 05:07	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/19/24 05:07	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 05:07	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/19/24 05:07	1
Trichloroethene	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/19/24 05:07	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/19/24 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		03/19/24 05:07	1
4-Bromofluorobenzene (Surr)	87		80 - 120		03/19/24 05:07	1
Dibromofluoromethane (Surr)	106		80 - 120		03/19/24 05:07	1
Toluene-d8 (Surr)	103		80 - 120		03/19/24 05:07	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.16	0.068	ug/L		03/18/24 15:55	03/20/24 01:09	1
Silvex (2,4,5-TP) (1C)	ND		0.052	0.023	ug/L		03/18/24 15:55	03/20/24 01:09	1
2,4-D (1C)	ND		0.63	0.26	ug/L		03/18/24 15:55	03/20/24 01:09	1
2,4-DB (2C)	ND		1.6	0.66	ug/L		03/18/24 15:55	03/20/24 01:09	1
Dichloroprop (1C)	ND		0.52	0.17	ug/L		03/18/24 15:55	03/20/24 01:09	1
Dalapon (1C)	ND		13	6.0	ug/L		03/18/24 15:55	03/20/24 01:09	1
Dicamba (1C)	ND		0.57	0.28	ug/L		03/18/24 15:55	03/20/24 01:09	1
Dinoseb (1C)	ND	*1	0.63	0.29	ug/L		03/18/24 15:55	03/20/24 01:09	1
MCPD (1C)	ND		210	52	ug/L		03/18/24 15:55	03/20/24 01:09	1
MCPA (1C)	ND		210	52	ug/L		03/18/24 15:55	03/20/24 01:09	1
Pentachlorophenol (1C)	ND		0.073	0.028	ug/L		03/18/24 15:55	03/20/24 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	83		34 - 142	03/18/24 15:55	03/20/24 01:09	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	73		34 - 142	03/18/24 15:55	03/20/24 01:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: MW-19-W-240312

Lab Sample ID: 410-163744-11

Date Collected: 03/12/24 11:40

Matrix: Water

Date Received: 03/13/24 09:40

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	23		7.5	2.5	mg/L			03/18/24 13:57	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011		0.0020	0.00068	mg/L		03/14/24 07:50	03/20/24 15:47	1
Iron	0.60		0.050	0.020	mg/L		03/14/24 07:50	03/20/24 15:47	1
Manganese	0.17		0.0020	0.00095	mg/L		03/14/24 07:50	03/20/24 15:47	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.17		0.052	0.021	mg/L		03/14/24 08:10	03/21/24 12:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 22:07	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 22:07	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	140		8.0	2.6	mg/L			03/14/24 22:07	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	140		8.0	2.6	mg/L			03/14/24 22:07	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/14/24 22:07	1
Nitrate as N (EPA 353.2)	3.8		0.10	0.040	mg/L			03/14/24 16:08	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/14/24 14:01	1
Total Phosphorus as P (EPA 365.1)	0.40		0.10	0.050	mg/L		03/15/24 13:39	03/18/24 10:07	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/13/24 22:15	1
Ammonia as N (EPA 350.1)	ND	F1	0.10	0.050	mg/L			03/22/24 13:53	1

Client Sample ID: TB-1-W-240312

Lab Sample ID: 410-163744-12

Date Collected: 03/12/24 00:00

Matrix: Water

Date Received: 03/13/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/18/24 23:34	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/18/24 23:34	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/18/24 23:34	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/18/24 23:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/18/24 23:34	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/18/24 23:34	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/18/24 23:34	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: TB-1-W-240312

Lab Sample ID: 410-163744-12

Date Collected: 03/12/24 00:00

Matrix: Water

Date Received: 03/13/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/18/24 23:34	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
2-Butanone	ND		10	0.50	ug/L			03/18/24 23:34	1
2-Hexanone	ND		10	0.85	ug/L			03/18/24 23:34	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			03/18/24 23:34	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/18/24 23:34	1
Acetone	ND	cn	20	0.70	ug/L			03/18/24 23:34	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/18/24 23:34	1
Benzene	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Bromobenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/18/24 23:34	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/18/24 23:34	1
Bromoform	ND		4.0	1.0	ug/L			03/18/24 23:34	1
Bromomethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/18/24 23:34	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Chloroethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Chloroform	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Chloromethane	ND		2.0	0.55	ug/L			03/18/24 23:34	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/18/24 23:34	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/18/24 23:34	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/18/24 23:34	1
Dibromomethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Ethyl ether	ND		5.0	0.30	ug/L			03/18/24 23:34	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/18/24 23:34	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/18/24 23:34	1
Methyl iodide	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/18/24 23:34	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Naphthalene	ND		5.0	1.0	ug/L			03/18/24 23:34	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
o-Xylene	ND		1.0	0.40	ug/L			03/18/24 23:34	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
Styrene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 23:34	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/18/24 23:34	1
Toluene	ND		1.0	0.30	ug/L			03/18/24 23:34	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/18/24 23:34	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/18/24 23:34	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/18/24 23:34	1
Trichloroethene	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/18/24 23:34	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/18/24 23:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: TB-1-W-240312

Lab Sample ID: 410-163744-12

Date Collected: 03/12/24 00:00

Matrix: Water

Date Received: 03/13/24 09:40

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		03/18/24 23:34	1
4-Bromofluorobenzene (Surr)	90		80 - 120		03/18/24 23:34	1
Dibromofluoromethane (Surr)	104		80 - 120		03/18/24 23:34	1
Toluene-d8 (Surr)	102		80 - 120		03/18/24 23:34	1

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-163744-11	MW-19-W-240312	113	87	106	103
410-163744-12	TB-1-W-240312	112	90	104	102
LCS 410-484496/5	Lab Control Sample	104	93	98	105
MB 410-484496/8	Method Blank	111	91	103	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (34-142)	DCPAA2 (34-142)
410-163744-11	MW-19-W-240312	83	73
LCS 410-484447/2-A	Lab Control Sample	86	82
LCSD 410-484447/3-A	Lab Control Sample Dup	84	79
MB 410-484447/1-A	Method Blank	77	69

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

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

Lab Sample ID: MB 410-484496/8

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/18/24 22:50	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/18/24 22:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/18/24 22:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/18/24 22:50	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/18/24 22:50	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/18/24 22:50	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/18/24 22:50	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
2-Butanone	ND		10	0.50	ug/L			03/18/24 22:50	1
2-Hexanone	ND		10	0.85	ug/L			03/18/24 22:50	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			03/18/24 22:50	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/18/24 22:50	1
Acetone	ND		20	0.70	ug/L			03/18/24 22:50	1
Acrylonitrile	ND		20	1.6	ug/L			03/18/24 22:50	1
Benzene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Bromobenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/18/24 22:50	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/18/24 22:50	1
Bromoform	ND		4.0	1.0	ug/L			03/18/24 22:50	1
Bromomethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Chloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Chloroform	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Chloromethane	ND		2.0	0.55	ug/L			03/18/24 22:50	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/18/24 22:50	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/18/24 22:50	1
Dibromomethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Ethyl ether	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/18/24 22:50	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/18/24 22:50	1
Methyl iodide	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/18/24 22:50	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/18/24 22:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

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

Lab Sample ID: MB 410-484496/8

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0	1.0	ug/L			03/18/24 22:50	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
o-Xylene	ND		1.0	0.40	ug/L			03/18/24 22:50	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Styrene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/18/24 22:50	1
Toluene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/18/24 22:50	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/18/24 22:50	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/18/24 22:50	1
Trichloroethene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/18/24 22:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		80 - 120		03/18/24 22:50	1
4-Bromofluorobenzene (Surr)	91		80 - 120		03/18/24 22:50	1
Dibromofluoromethane (Surr)	103		80 - 120		03/18/24 22:50	1
Toluene-d8 (Surr)	103		80 - 120		03/18/24 22:50	1

Lab Sample ID: LCS 410-484496/5

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.5		ug/L		98	78 - 120
1,1,1-Trichloroethane	20.0	19.1		ug/L		96	67 - 126
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		108	72 - 120
1,1,2-Trichloroethane	20.0	20.9		ug/L		105	80 - 120
1,1-Dichloroethane	20.0	20.7		ug/L		104	80 - 120
1,1-Dichloroethene	20.0	20.9		ug/L		105	80 - 131
1,2,3-Trichlorobenzene	20.0	17.1		ug/L		85	66 - 120
1,2,3-Trichloropropane	20.0	20.9		ug/L		105	75 - 124
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		90	63 - 120
1,2,4-Trimethylbenzene	20.0	20.5		ug/L		102	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		90	47 - 131
1,2-Dibromoethane	20.0	20.5		ug/L		103	77 - 120
1,2-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
1,2-Dichloroethane	20.0	19.1		ug/L		96	73 - 124
1,2-Dichloropropane	20.0	20.5		ug/L		103	80 - 120
1,3,5-Trimethylbenzene	20.0	20.5		ug/L		102	75 - 120
1,3-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120
2-Butanone	250	281		ug/L		112	59 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

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

Lab Sample ID: LCS 410-484496/5

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	250	270		ug/L		108	56 - 135
2-Methylnaphthalene	20.0	12.7		ug/L		64	34 - 120
4-Methyl-2-pentanone	250	252		ug/L		101	62 - 133
Acetone	250	315		ug/L		126	54 - 157
Acrylonitrile	100	109		ug/L		109	60 - 129
Benzene	20.0	20.7		ug/L		104	80 - 120
Bromobenzene	20.0	20.6		ug/L		103	80 - 120
Bromochloromethane	20.0	20.8		ug/L		104	80 - 120
Bromodichloromethane	20.0	19.2		ug/L		96	71 - 120
Bromoform	20.0	19.0		ug/L		95	51 - 120
Bromomethane	20.0	17.9		ug/L		90	53 - 128
Carbon disulfide	20.0	20.2		ug/L		101	65 - 128
Carbon tetrachloride	20.0	19.3		ug/L		96	64 - 134
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120
Chloroethane	20.0	17.8		ug/L		89	55 - 123
Chloroform	20.0	22.0		ug/L		110	80 - 120
Chloromethane	20.0	15.9		ug/L		80	56 - 121
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	80 - 125
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	75 - 120
Dibromochloromethane	20.0	19.8		ug/L		99	71 - 120
Dibromomethane	20.0	19.2		ug/L		96	80 - 120
Dichlorodifluoromethane	20.0	14.7		ug/L		73	41 - 127
Ethyl ether	20.0	13.5		ug/L		68	59 - 141
Ethylbenzene	20.0	20.1		ug/L		100	80 - 120
Isopropylbenzene	20.0	20.8		ug/L		104	80 - 120
m&p-Xylene	40.0	40.4		ug/L		101	80 - 120
Methyl iodide	20.0	18.9		ug/L		95	73 - 125
Methyl tertiary butyl ether	20.0	18.2		ug/L		91	69 - 122
Methylene Chloride	20.0	20.9		ug/L		105	80 - 120
Naphthalene	20.0	18.3		ug/L		92	53 - 124
n-Butylbenzene	20.0	20.5		ug/L		102	76 - 120
N-Propylbenzene	20.0	22.1		ug/L		110	79 - 121
o-Xylene	20.0	19.5		ug/L		97	80 - 120
p-Isopropyltoluene	20.0	19.7		ug/L		98	76 - 120
sec-Butylbenzene	20.0	21.0		ug/L		105	77 - 120
Styrene	20.0	20.0		ug/L		100	80 - 120
tert-Butylbenzene	20.0	20.4		ug/L		102	78 - 120
Tetrachloroethene	20.0	19.7		ug/L		99	80 - 120
Tetrahydrofuran	100	103		ug/L		103	54 - 144
Toluene	20.0	20.7		ug/L		103	80 - 120
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 126
trans-1,3-Dichloropropene	20.0	19.4		ug/L		97	67 - 120
trans-1,4-Dichloro-2-butene	100	71.7		ug/L		72	33 - 143
Trichloroethene	20.0	19.7		ug/L		98	80 - 120
Trichlorofluoromethane	20.0	18.0		ug/L		90	55 - 135
Vinyl chloride	20.0	16.0		ug/L		80	56 - 120

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

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

Lab Sample ID: LCS 410-484496/5

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-484447/1-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 484447

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.15	0.065	ug/L		03/18/24 15:55	03/19/24 22:19	1
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		03/18/24 15:55	03/19/24 22:19	1
2,4-D (1C)	ND		0.60	0.25	ug/L		03/18/24 15:55	03/19/24 22:19	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dalapon (1C)	ND		12	5.7	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dicamba (1C)	ND		0.55	0.27	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dinoseb (1C)	ND		0.60	0.28	ug/L		03/18/24 15:55	03/19/24 22:19	1
MCPPE (1C)	ND		200	50	ug/L		03/18/24 15:55	03/19/24 22:19	1
MCPA (1C)	ND		200	50	ug/L		03/18/24 15:55	03/19/24 22:19	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		03/18/24 15:55	03/19/24 22:19	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
2,4-Dichlorophenylacetic acid (Surr)	77		34 - 142			03/18/24 15:55	03/19/24 22:19	1	
(1C)									
2,4-Dichlorophenylacetic acid (Surr)	69		34 - 142			03/18/24 15:55	03/19/24 22:19	1	
(2C)									

Lab Sample ID: LCS 410-484447/2-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 484447

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
2,4,5-T (1C)	0.250	0.213		ug/L		85	57 - 171		
Silvex (2,4,5-TP) (2C)	0.250	0.254		ug/L		102	62 - 170		
2,4-D (2C)	2.51	2.20		ug/L		88	53 - 159		
2,4-DB (2C)	2.51	2.32		ug/L		92	27 - 159		
Dichlorprop (1C)	2.50	2.38		ug/L		95	60 - 151		
Dalapon (2C)	6.25	ND		ug/L		61	26 - 115		
Dicamba (1C)	0.250	ND		ug/L		77	49 - 140		
Dinoseb (1C)	1.25	0.306	J	ug/L		25	10 - 169		
MCPPE (2C)	251	248		ug/L		99	50 - 144		
MCPA (1C)	496	447		ug/L		90	24 - 144		
Pentachlorophenol (2C)	0.199	0.198		ug/L		100	56 - 185		

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-484447/2-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 484447

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	86		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	82		34 - 142

Lab Sample ID: LCSD 410-484447/3-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 484447

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T (1C)	0.250	0.203		ug/L		81	57 - 171	5	30
Silvex (2,4,5-TP) (2C)	0.250	0.246		ug/L		98	62 - 170	3	30
2,4-D (2C)	2.51	2.11		ug/L		84	53 - 159	4	30
2,4-DB (2C)	2.51	2.28		ug/L		91	27 - 159	2	30
Dichlorprop (1C)	2.50	2.35		ug/L		94	60 - 151	1	30
Dalapon (2C)	6.25	ND		ug/L		69	26 - 115	11	30
Dicamba (1C)	0.250	ND		ug/L		76	49 - 140	0	30
Dinoseb (2C)	1.25	0.603	*1	ug/L		48	10 - 169	65	30
MCPD (2C)	251	243		ug/L		97	50 - 144	2	30
MCPA (1C)	496	425		ug/L		86	24 - 144	5	30
Pentachlorophenol (2C)	0.199	0.198		ug/L		99	56 - 185	0	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	84		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	79		34 - 142

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-484242/5

Matrix: Water

Analysis Batch: 484242

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			03/17/24 08:36	1

Lab Sample ID: LCS 410-484242/3

Matrix: Water

Analysis Batch: 484242

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD
Sulfate	7.50	7.19		mg/L		96	90 - 110	

Lab Sample ID: LCSD 410-484242/4

Matrix: Water

Analysis Batch: 484242

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	7.50	7.17		mg/L		96	90 - 110	0	20

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-483157/1-A
Matrix: Water
Analysis Batch: 485800

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 483157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/14/24 08:10	03/21/24 11:40	1

Lab Sample ID: LCS 410-483157/2-A
Matrix: Water
Analysis Batch: 485800

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 483157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	4.80		mg/L		96	88 - 119

Lab Sample ID: MB 410-483145/1-A
Matrix: Water
Analysis Batch: 485460

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 483145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/14/24 07:45	03/20/24 17:01	1

Lab Sample ID: LCS 410-483145/2-A
Matrix: Water
Analysis Batch: 485460

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 483145

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.511		mg/L		102	85 - 120

Lab Sample ID: MB 410-483146/1-A
Matrix: Water
Analysis Batch: 485460

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 483146

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/14/24 07:50	03/20/24 15:16	1
Iron	ND		0.050	0.020	mg/L		03/14/24 07:50	03/20/24 15:16	1
Manganese	ND		0.0020	0.00095	mg/L		03/14/24 07:50	03/20/24 15:16	1

Lab Sample ID: LCS 410-483146/2-A
Matrix: Water
Analysis Batch: 485460

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 483146

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.505		mg/L		101	85 - 120
Iron	5.00	5.22		mg/L		104	88 - 119
Manganese	0.500	0.516		mg/L		103	89 - 120

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-483825/54
Matrix: Water
Analysis Batch: 483825

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		8.0	2.6	mg/L			03/14/24 21:05	1

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCS 410-483825/55

Matrix: Water

Analysis Batch: 483825

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	189	185		mg/L		98	66 - 110

Lab Sample ID: LCSD 410-483825/56

Matrix: Water

Analysis Batch: 483825

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
Total Alkalinity as CaCO3 to pH 4.5	189	185		mg/L		98	66 - 110	0	10

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-483442/13

Matrix: Water

Analysis Batch: 483442

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.015	mg/L			03/14/24 13:55	1

Lab Sample ID: MB 410-483442/44

Matrix: Water

Analysis Batch: 483442

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.015	mg/L			03/14/24 14:00	1

Lab Sample ID: LCS 410-483442/14

Matrix: Water

Analysis Batch: 483442

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	0.500	0.539		mg/L		108	90 - 110

Lab Sample ID: LCS 410-483442/45

Matrix: Water

Analysis Batch: 483442

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	0.500	0.530		mg/L		106	90 - 110

Lab Sample ID: LCSD 410-483442/15

Matrix: Water

Analysis Batch: 483442

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	0.500	0.539		mg/L		108	90 - 110	0	20

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCSD 410-483442/46

Matrix: Water

Analysis Batch: 483442

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	0.500	0.540		mg/L		108	90 - 110	2	20

Lab Sample ID: 410-163744-9 MS

Matrix: Water

Analysis Batch: 483442

Client Sample ID: MW-20-W-240312

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	ND	H cn	0.200	0.205		mg/L		102	90 - 110

Lab Sample ID: 410-163744-9 DU

Matrix: Water

Analysis Batch: 483442

Client Sample ID: MW-20-W-240312

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	ND	H cn	ND		mg/L		NC	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 410-483865/2-A

Matrix: Water

Analysis Batch: 484396

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 483865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		03/15/24 13:39	03/18/24 10:03	1

Lab Sample ID: LCS 410-483865/1-A

Matrix: Water

Analysis Batch: 484396

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 483865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.30	1.39		mg/L		107	90 - 110

Method: 5210 B-2016 - BOD, 5-Day

Lab Sample ID: SCB 410-484489/4

Matrix: Water

Analysis Batch: 484489

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.993		0.0000010	0.0000010	mg/L			03/13/24 14:17	1

Lab Sample ID: USB 410-484489/2

Matrix: Water

Analysis Batch: 484489

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.227		0.0000010	0.0000010	mg/L			03/13/24 14:17	1

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Method: 5210 B-2016 - BOD, 5-Day (Continued)

Lab Sample ID: LCS 410-484489/27
Matrix: Water
Analysis Batch: 484489

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	199	181		mg/L		91	85 - 115

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-486297/17
Matrix: Water
Analysis Batch: 486297

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			03/22/24 13:51	1

Lab Sample ID: LCS 410-486297/15
Matrix: Water
Analysis Batch: 486297

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.00	1.85		mg/L		93	90 - 110

Lab Sample ID: LCSD 410-486297/16
Matrix: Water
Analysis Batch: 486297

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
Ammonia as N	2.00	2.15		mg/L		107	90 - 110	15	15

Lab Sample ID: 410-163744-11 MS
Matrix: Water
Analysis Batch: 486297

Client Sample ID: MW-19-W-240312
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	ND	F1	2.50	2.38		mg/L		95	90 - 110

Lab Sample ID: 410-163744-11 DU
Matrix: Water
Analysis Batch: 486297

Client Sample ID: MW-19-W-240312
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	ND	F1	ND		mg/L		NC	20

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

GC/MS VOA

Analysis Batch: 484496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-11	MW-19-W-240312	Total/NA	Water	8260D	
410-163744-12	TB-1-W-240312	Total/NA	Water	8260D	
MB 410-484496/8	Method Blank	Total/NA	Water	8260D	
LCS 410-484496/5	Lab Control Sample	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 484447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-11	MW-19-W-240312	Total/NA	Water	8151A	
MB 410-484447/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-484447/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-484447/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 484604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-11	MW-19-W-240312	Total/NA	Water	8151A	484447
MB 410-484447/1-A	Method Blank	Total/NA	Water	8151A	484447
LCS 410-484447/2-A	Lab Control Sample	Total/NA	Water	8151A	484447
LCSD 410-484447/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	484447

HPLC/IC

Analysis Batch: 484242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-2	MW-1-W-240311	Total/NA	Water	EPA 300.0 R2.1	
410-163744-3	EB-1-W-240311	Total/NA	Water	EPA 300.0 R2.1	
410-163744-11	MW-19-W-240312	Total/NA	Water	EPA 300.0 R2.1	
MB 410-484242/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-484242/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-484242/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 483145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-1	MW-7-W-240311	Total Recoverable	Water	3005A	
410-163744-3	EB-1-W-240311	Total Recoverable	Water	3005A	
410-163744-4	MW-10-W-240311	Total Recoverable	Water	3005A	
410-163744-5	MW-14-W-240311	Total Recoverable	Water	3005A	
410-163744-6	MW-17-W-240312	Total Recoverable	Water	3005A	
410-163744-7	MW-17-WD-240312	Total Recoverable	Water	3005A	
MB 410-483145/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-483145/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 483146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-2	MW-1-W-240311	Total Recoverable	Water	3005A	
410-163744-8	MW-18-W-240312	Total Recoverable	Water	3005A	
410-163744-9	MW-20-W-240312	Total Recoverable	Water	3005A	
410-163744-10	EB-1-W-240312	Total Recoverable	Water	3005A	
410-163744-11	MW-19-W-240312	Total Recoverable	Water	3005A	

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QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Metals (Continued)

Prep Batch: 483146 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-483146/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-483146/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 483157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-2	MW-1-W-240311	Dissolved	Water	Non-Digest Prep	
410-163744-3	EB-1-W-240311	Dissolved	Water	Non-Digest Prep	
410-163744-11	MW-19-W-240312	Dissolved	Water	Non-Digest Prep	
MB 410-483157/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-483157/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 485460

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-1	MW-7-W-240311	Total Recoverable	Water	6020B	483145
410-163744-2	MW-1-W-240311	Total Recoverable	Water	6020B	483146
410-163744-3	EB-1-W-240311	Total Recoverable	Water	6020B	483145
410-163744-4	MW-10-W-240311	Total Recoverable	Water	6020B	483145
410-163744-5	MW-14-W-240311	Total Recoverable	Water	6020B	483145
410-163744-6	MW-17-W-240312	Total Recoverable	Water	6020B	483145
410-163744-7	MW-17-WD-240312	Total Recoverable	Water	6020B	483145
410-163744-8	MW-18-W-240312	Total Recoverable	Water	6020B	483146
410-163744-9	MW-20-W-240312	Total Recoverable	Water	6020B	483146
410-163744-10	EB-1-W-240312	Total Recoverable	Water	6020B	483146
410-163744-11	MW-19-W-240312	Total Recoverable	Water	6020B	483146
MB 410-483145/1-A	Method Blank	Total Recoverable	Water	6020B	483145
MB 410-483146/1-A	Method Blank	Total Recoverable	Water	6020B	483146
LCS 410-483145/2-A	Lab Control Sample	Total Recoverable	Water	6020B	483145
LCS 410-483146/2-A	Lab Control Sample	Total Recoverable	Water	6020B	483146

Analysis Batch: 485800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-2	MW-1-W-240311	Dissolved	Water	6020B	483157
410-163744-3	EB-1-W-240311	Dissolved	Water	6020B	483157
410-163744-11	MW-19-W-240312	Dissolved	Water	6020B	483157
MB 410-483157/1-A	Method Blank	Total/NA	Water	6020B	483157
LCS 410-483157/2-A	Lab Control Sample	Total/NA	Water	6020B	483157

General Chemistry

Analysis Batch: 483442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-1	MW-7-W-240311	Total/NA	Water	353.2	
410-163744-2	MW-1-W-240311	Total/NA	Water	353.2	
410-163744-3	EB-1-W-240311	Total/NA	Water	353.2	
410-163744-4	MW-10-W-240311	Total/NA	Water	353.2	
410-163744-5	MW-14-W-240311	Total/NA	Water	353.2	
410-163744-6	MW-17-W-240312	Total/NA	Water	353.2	
410-163744-7	MW-17-WD-240312	Total/NA	Water	353.2	
410-163744-8	MW-18-W-240312	Total/NA	Water	353.2	
410-163744-9	MW-20-W-240312	Total/NA	Water	353.2	
410-163744-10	EB-1-W-240312	Total/NA	Water	353.2	

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

General Chemistry (Continued)

Analysis Batch: 483442 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-11	MW-19-W-240312	Total/NA	Water	353.2	
MB 410-483442/13	Method Blank	Total/NA	Water	353.2	
MB 410-483442/44	Method Blank	Total/NA	Water	353.2	
LCS 410-483442/14	Lab Control Sample	Total/NA	Water	353.2	
LCS 410-483442/45	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-483442/15	Lab Control Sample Dup	Total/NA	Water	353.2	
LCSD 410-483442/46	Lab Control Sample Dup	Total/NA	Water	353.2	
410-163744-9 MS	MW-20-W-240312	Total/NA	Water	353.2	
410-163744-9 DU	MW-20-W-240312	Total/NA	Water	353.2	

Analysis Batch: 483463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-1	MW-7-W-240311	Total/NA	Water	353.2	
410-163744-2	MW-1-W-240311	Total/NA	Water	353.2	
410-163744-3	EB-1-W-240311	Total/NA	Water	353.2	
410-163744-4	MW-10-W-240311	Total/NA	Water	353.2	
410-163744-5	MW-14-W-240311	Total/NA	Water	353.2	
410-163744-6	MW-17-W-240312	Total/NA	Water	353.2	
410-163744-7	MW-17-WD-240312	Total/NA	Water	353.2	
410-163744-8	MW-18-W-240312	Total/NA	Water	353.2	
410-163744-9	MW-20-W-240312	Total/NA	Water	353.2	
410-163744-10	EB-1-W-240312	Total/NA	Water	353.2	
410-163744-11	MW-19-W-240312	Total/NA	Water	353.2	

Analysis Batch: 483825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-2	MW-1-W-240311	Total/NA	Water	2320B-2011	
410-163744-3	EB-1-W-240311	Total/NA	Water	2320B-2011	
410-163744-11	MW-19-W-240312	Total/NA	Water	2320B-2011	
MB 410-483825/54	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-483825/55	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-483825/56	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Prep Batch: 483865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-11	MW-19-W-240312	Total/NA	Water	365.1	
MB 410-483865/2-A	Method Blank	Total/NA	Water	365.1	
LCS 410-483865/1-A	Lab Control Sample	Total/NA	Water	365.1	

Analysis Batch: 484396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-11	MW-19-W-240312	Total/NA	Water	365.1	483865
MB 410-483865/2-A	Method Blank	Total/NA	Water	365.1	483865
LCS 410-483865/1-A	Lab Control Sample	Total/NA	Water	365.1	483865

Analysis Batch: 484489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-2	MW-1-W-240311	Total/NA	Water	5210 B-2016	
410-163744-3	EB-1-W-240311	Total/NA	Water	5210 B-2016	
410-163744-11	MW-19-W-240312	Total/NA	Water	5210 B-2016	
SCB 410-484489/4	Method Blank	Total/NA	Water	5210 B-2016	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

General Chemistry (Continued)

Analysis Batch: 484489 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
USB 410-484489/2	Method Blank	Total/NA	Water	5210 B-2016	
LCS 410-484489/27	Lab Control Sample	Total/NA	Water	5210 B-2016	

Analysis Batch: 486297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163744-11	MW-19-W-240312	Total/NA	Water	EPA 350.1	
MB 410-486297/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-486297/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-486297/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	
410-163744-11 MS	MW-19-W-240312	Total/NA	Water	EPA 350.1	
410-163744-11 DU	MW-19-W-240312	Total/NA	Water	EPA 350.1	

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: MW-7-W-240311

Lab Sample ID: 410-163744-1

Date Collected: 03/11/24 12:25

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			483145	NU9R	ELLE	03/14/24 07:45
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 17:30
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 13:59
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08

Client Sample ID: MW-1-W-240311

Lab Sample ID: 410-163744-2

Date Collected: 03/11/24 13:15

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		5	484242	L4QM	ELLE	03/18/24 13:45
Dissolved	Prep	Non-Digest Prep			483157	NU9R	ELLE	03/14/24 08:10
Dissolved	Analysis	6020B		1	485800	F7JF	ELLE	03/21/24 12:10
Total Recoverable	Prep	3005A			483146	NU9R	ELLE	03/14/24 07:50
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 15:45
Total/NA	Analysis	2320B-2011		1	483825	DI9Q	ELLE	03/14/24 22:01
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 13:59
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08
Total/NA	Analysis	5210 B-2016		1	484489	DI9Q	ELLE	03/13/24 22:15

Client Sample ID: EB-1-W-240311

Lab Sample ID: 410-163744-3

Date Collected: 03/11/24 13:30

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		1	484242	L4QM	ELLE	03/18/24 14:10
Dissolved	Prep	Non-Digest Prep			483157	NU9R	ELLE	03/14/24 08:10
Dissolved	Analysis	6020B		1	485800	F7JF	ELLE	03/21/24 12:06
Total Recoverable	Prep	3005A			483145	NU9R	ELLE	03/14/24 07:45
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 17:54
Total/NA	Analysis	2320B-2011		1	483825	DI9Q	ELLE	03/14/24 21:42
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 13:59
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08
Total/NA	Analysis	5210 B-2016		1	484489	DI9Q	ELLE	03/13/24 22:15

Client Sample ID: MW-10-W-240311

Lab Sample ID: 410-163744-4

Date Collected: 03/11/24 14:35

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			483145	NU9R	ELLE	03/14/24 07:45
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 17:38
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 13:59
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: MW-14-W-240311

Lab Sample ID: 410-163744-5

Date Collected: 03/11/24 15:15

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			483145	NU9R	ELLE	03/14/24 07:45
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 17:40
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 14:00
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08

Client Sample ID: MW-17-W-240312

Lab Sample ID: 410-163744-6

Date Collected: 03/12/24 09:15

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			483145	NU9R	ELLE	03/14/24 07:45
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 17:34
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 14:00
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08

Client Sample ID: MW-17-WD-240312

Lab Sample ID: 410-163744-7

Date Collected: 03/12/24 09:20

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			483145	NU9R	ELLE	03/14/24 07:45
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 17:36
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 14:00
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08

Client Sample ID: MW-18-W-240312

Lab Sample ID: 410-163744-8

Date Collected: 03/12/24 10:10

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			483146	NU9R	ELLE	03/14/24 07:50
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 15:51
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 14:00
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08

Client Sample ID: MW-20-W-240312

Lab Sample ID: 410-163744-9

Date Collected: 03/12/24 11:00

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			483146	NU9R	ELLE	03/14/24 07:50
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 16:05
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 14:01
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Client Sample ID: EB-1-W-240312

Lab Sample ID: 410-163744-10

Date Collected: 03/12/24 11:15

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			483146	NU9R	ELLE	03/14/24 07:50
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 15:49
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 14:01
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08

Client Sample ID: MW-19-W-240312

Lab Sample ID: 410-163744-11

Date Collected: 03/12/24 11:40

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	484496	JS6E	ELLE	03/19/24 05:07
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	484604	UAMZ	ELLE	03/20/24 01:09
Total/NA	Analysis	EPA 300.0 R2.1		5	484242	L4QM	ELLE	03/18/24 13:57
Dissolved	Prep	Non-Digest Prep			483157	NU9R	ELLE	03/14/24 08:10
Dissolved	Analysis	6020B		1	485800	F7JF	ELLE	03/21/24 12:08
Total Recoverable	Prep	3005A			483146	NU9R	ELLE	03/14/24 07:50
Total Recoverable	Analysis	6020B		1	485460	UCIG	ELLE	03/20/24 15:47
Total/NA	Analysis	2320B-2011		1	483825	DI9Q	ELLE	03/14/24 22:07
Total/NA	Analysis	353.2		1	483442	Q3HN	ELLE	03/14/24 14:01
Total/NA	Analysis	353.2		1	483463	UKJF	ELLE	03/14/24 16:08
Total/NA	Prep	365.1			483865	NLE3	ELLE	03/15/24 13:39 - 03/15/24 16:30 ¹
Total/NA	Analysis	365.1		1	484396	JCG7	ELLE	03/18/24 10:07
Total/NA	Analysis	5210 B-2016		1	484489	DI9Q	ELLE	03/13/24 22:15
Total/NA	Analysis	EPA 350.1		1	486297	JCG7	ELLE	03/22/24 13:53

Client Sample ID: TB-1-W-240312

Lab Sample ID: 410-163744-12

Date Collected: 03/12/24 00:00

Matrix: Water

Date Received: 03/13/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	484496	JS6E	ELLE	03/18/24 23:34

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C457	04-11-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	2-Methylnaphthalene
8260D		Water	Ethyl ether

Method Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8151A	Herbicides (GC)	SW846	ELLE
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
2320B-2011	Alkalinity, Total	SM	ELLE
353.2	Nitrate by Calculation	EPA	ELLE
353.2	Nitrogen, Nitrite	EPA	ELLE
365.1	Phosphorus, Total	EPA	ELLE
5210 B-2016	BOD, 5-Day	SM	ELLE
EPA 350.1	Nitrogen, Ammonia	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
365.1	Sample Digestion for Total Phosphorus	MCAWW	ELLE
5030C	Purge and Trap	SW846	ELLE
8151A	Extraction (Herbicides)	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

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

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163744-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-163744-1	MW-7-W-240311	Water	03/11/24 12:25	03/13/24 09:40
410-163744-2	MW-1-W-240311	Water	03/11/24 13:15	03/13/24 09:40
410-163744-3	EB-1-W-240311	Water	03/11/24 13:30	03/13/24 09:40
410-163744-4	MW-10-W-240311	Water	03/11/24 14:35	03/13/24 09:40
410-163744-5	MW-14-W-240311	Water	03/11/24 15:15	03/13/24 09:40
410-163744-6	MW-17-W-240312	Water	03/12/24 09:15	03/13/24 09:40
410-163744-7	MW-17-WD-240312	Water	03/12/24 09:20	03/13/24 09:40
410-163744-8	MW-18-W-240312	Water	03/12/24 10:10	03/13/24 09:40
410-163744-9	MW-20-W-240312	Water	03/12/24 11:00	03/13/24 09:40
410-163744-10	EB-1-W-240312	Water	03/12/24 11:15	03/13/24 09:40
410-163744-11	MW-19-W-240312	Water	03/12/24 11:40	03/13/24 09:40
410-163744-12	TB-1-W-240312	Water	03/12/24 00:00	03/13/24 09:40



Analysis Request/Chain of Custody

caster Laboratories Environmental use only

Sample #

on reverse side correspond with circled numbers.

[illegible]

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-163744-1

Login Number: 163744

List Number: 1

Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Container preservation not listed on COC.
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

ANALYTICAL REPORT

PREPARED FOR

Attn: Marisa Kaffenberger
Stantec Consulting Corporation
2321 Club Meridian Drive
Suite E
Okemos, Michigan 48864

Generated 3/25/2024 5:58:37 PM

JOB DESCRIPTION

Bee Jay Scales

JOB NUMBER

410-163914-1

Eurofins Lancaster Laboratories Environment Testing, LLC

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

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.

General Chemistry

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
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.
H3	Sample was received and analyzed past 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.
s	Seeded Control Blank (SCB) Recovery High

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 Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

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

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Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-163914-1

Job ID: 410-163914-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-163914-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 3/14/2024 9:40 AM and 3/15/2024 8:50 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 1.5°C, 3.9°C and 4.5°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Preservation. This does not meet regulatory requirements.

The following sample(s) was listed on the Chain-of-Custody (COC); however, due to a shipping delay, the sample was not received. MW-11-W-240312 (410-163914-1) and TB-1-W-240313 (410-163914-4)

Samples received 3/15/24 08:50.

The following sample(s) was listed on the Chain-of-Custody (COC); however, due to a shipping delay, only two 1000mL unpreserved ambers were received. MW-21-W-240312 (410-163914-2)

Missing containers received 3/15/24 08:50.

The following sample(s) was listed on the Chain-of-Custody (COC); however, due to a shipping delay, only two 1000mL unpreserved ambers, one 500mL plastic sulfuric preserved, and one 250mL plastic nitric preserved container for total metals received. MW-23-W-240313 (410-163914-3)

Missing containers received 3/15/24 08:50.

The following sample(s) was listed on the Chain-of-Custody (COC); however, due to a shipping delay, only two 1000mL unpreserved ambers, one 500mL unpreserved plastic, one 500mL sulfuric preserved plastic, one 250mL sulfuric preserved plastic, and one 250mL nitric preserved plastic container for filtered metals were received. MW-9-W-240313 (410-163914-5)

Missing containers received 3/15/24 08:50.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) analyzed on 410-484496 is compliant under 8260C/D method criteria for Acetone. The software does not display the % Drift data to the whole number as is listed in the method (i.e. limit of 20%). When applying the evaluation to a whole number, the check passes the criteria with a value of 20% Drift.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-484496 recovered outside acceptance criteria, low biased, for 2-Methylnaphthalene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-21-W-240312 (410-163914-2), MW-23-W-240313 (410-163914-3), TB-1-W-240313 (410-163914-4), MW-9-W-240313 (410-163914-5), MW-15-W-240313 (410-163914-6) and EB-1-W-240313 (410-163914-7). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-163914-1

Job ID: 410-163914-1 (Continued)

Eurofins Lancaster Laboratories Environment

in an acidic medium.

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed within the 7-day holding time specified for unpreserved samples: MW-23-W-240313 (410-163914-3).

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

Herbicides

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

HPLC/IC

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

Metals

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

General Chemistry

Method 353.2_Nitrite: The following sample was analyzed outside of analytical holding time due to laboratory error: MW-21-W-240312 (410-163914-2).

Method 365.1: The reference method requires samples to be preserved to a pH of <2. The following sample was received with insufficient preservation at a pH of 7: MW-23-W-240313 (410-163914-3). The sample(s) were preserved to the appropriate pH in the laboratory.

This does not meet regulatory requirements.

Method SM5210B_Calc: The following sample(s) was received with less than 2 days remaining on the holding time or less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-21-W-240312 (410-163914-2) and MW-23-W-240313 (410-163914-3).

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

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-11-W-240312

Lab Sample ID: 410-163914-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	50		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.029		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.023	J	0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.57		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	230		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	230		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	5.4		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.046	J H H3	0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.074	J	0.10	0.050	mg/L	1		365.1	Total/NA

Client Sample ID: MW-21-W-240312

Lab Sample ID: 410-163914-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloropropane	0.39	J	1.0	0.30	ug/L	1		8260D	Total/NA
Sulfate	330		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.0015	J	0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.097		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	1.4		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.025	J	0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	650		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	650		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	60		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.31	H cn	0.050	0.015	mg/L	1		353.2	Total/NA
Ammonia as N	0.080	J	0.10	0.050	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW-23-W-240313

Lab Sample ID: 410-163914-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	22	cn	5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloroethane	0.47	J cn	1.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	240	cn	1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	1.8	J cn	20	0.70	ug/L	1		8260D	Total/NA
Sulfate	260		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.025		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	1.3		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.44		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.97		0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	1500		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	1500		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	110		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	17		1.0	0.30	mg/L	20		353.2	Total/NA
Total Phosphorus as P	0.076	J cn	0.10	0.050	mg/L	1		365.1	Total/NA
Biochemical Oxygen Demand	13	H cn	2.0	2.0	mg/L	1		5210 B-2016	Total/NA
Ammonia as N	3.1		0.50	0.25	mg/L	5		EPA 350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: TB-1-W-240313

Lab Sample ID: 410-163914-4

No Detections.

Client Sample ID: MW-9-W-240313

Lab Sample ID: 410-163914-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
1,2,3-Trichloropropane	3.7	J	5.0	0.30	ug/L	1			8260D	Total/NA
1,2-Dichloropropane	22		1.0	0.30	ug/L	1			8260D	Total/NA
Chlorobenzene	0.33	J	1.0	0.30	ug/L	1			8260D	Total/NA
Dinoseb (2C)	0.45	J *1	0.66	0.31	ug/L	1			8151A	Total/NA
Sulfate	220		30	10	mg/L	20			EPA 300.0 R2.1	Total/NA
Arsenic	0.0083		0.0020	0.00068	mg/L	1			6020B	Total Recoverable
Iron	0.19		0.050	0.020	mg/L	1			6020B	Total Recoverable
Manganese	0.046		0.0020	0.00095	mg/L	1			6020B	Total Recoverable
Iron	0.050	J	0.052	0.021	mg/L	1			6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	630		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	630		8.0	2.6	mg/L	1			2320B-2011	Total/NA
Nitrate as N	66		0.10	0.040	mg/L	1			353.2	Total/NA
Total Phosphorus as P	0.097	J	0.10	0.050	mg/L	1			365.1	Total/NA
Biochemical Oxygen Demand	9.7		2.0	2.0	mg/L	1			5210 B-2016	Total/NA

Client Sample ID: MW-15-W-240313

Lab Sample ID: 410-163914-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Arsenic	0.014		0.0020	0.00068	mg/L	1			6020B	Total Recoverable
Nitrate as N	3.9		0.10	0.040	mg/L	1			353.2	Total/NA

Client Sample ID: EB-1-W-240313

Lab Sample ID: 410-163914-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-11-W-240312

Lab Sample ID: 410-163914-1

Date Collected: 03/12/24 14:05

Matrix: Water

Date Received: 03/15/24 08:50

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	50		30	10	mg/L			03/20/24 03:29	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029		0.0020	0.00068	mg/L		03/19/24 07:55	03/25/24 08:22	1
Iron	0.023	J	0.050	0.020	mg/L		03/19/24 07:55	03/25/24 08:22	1
Manganese	0.57		0.0020	0.00095	mg/L		03/19/24 07:55	03/25/24 08:22	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/19/24 12:30	03/19/24 19:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:27	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:27	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	230		8.0	2.6	mg/L			03/20/24 09:27	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	230		8.0	2.6	mg/L			03/20/24 09:27	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:27	1
Nitrate as N (EPA 353.2)	5.4		0.10	0.040	mg/L			03/15/24 11:40	1
Nitrite as N (EPA 353.2)	0.046	J H H3	0.050	0.015	mg/L			03/15/24 09:59	1
Total Phosphorus as P (EPA 365.1)	0.074	J	0.10	0.050	mg/L		03/18/24 15:49	03/19/24 10:16	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND	H H3	2.0	2.0	mg/L			03/15/24 13:46	1
Ammonia as N (EPA 350.1)	ND	F1	0.10	0.050	mg/L			03/25/24 13:52	1

Client Sample ID: MW-21-W-240312

Lab Sample ID: 410-163914-2

Date Collected: 03/12/24 15:00

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 05:52	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/19/24 05:52	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/19/24 05:52	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/19/24 05:52	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/19/24 05:52	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/19/24 05:52	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/19/24 05:52	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
1,2-Dichloropropane	0.39	J	1.0	0.30	ug/L			03/19/24 05:52	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-21-W-240312

Lab Sample ID: 410-163914-2

Date Collected: 03/12/24 15:00

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/19/24 05:52	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
2-Butanone	ND		10	0.50	ug/L			03/19/24 05:52	1
2-Hexanone	ND		10	0.85	ug/L			03/19/24 05:52	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			03/19/24 05:52	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/19/24 05:52	1
Acetone	ND	cn	20	0.70	ug/L			03/19/24 05:52	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/19/24 05:52	1
Benzene	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Bromobenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/19/24 05:52	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/19/24 05:52	1
Bromoform	ND		4.0	1.0	ug/L			03/19/24 05:52	1
Bromomethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/19/24 05:52	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Chloroethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Chloroform	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Chloromethane	ND		2.0	0.55	ug/L			03/19/24 05:52	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 05:52	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 05:52	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/19/24 05:52	1
Dibromomethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Ethyl ether	ND		5.0	0.30	ug/L			03/19/24 05:52	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/19/24 05:52	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/19/24 05:52	1
Methyl iodide	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/19/24 05:52	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Naphthalene	ND		5.0	1.0	ug/L			03/19/24 05:52	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
o-Xylene	ND		1.0	0.40	ug/L			03/19/24 05:52	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
Styrene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 05:52	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/19/24 05:52	1
Toluene	ND		1.0	0.30	ug/L			03/19/24 05:52	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/19/24 05:52	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 05:52	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/19/24 05:52	1
Trichloroethene	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/19/24 05:52	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/19/24 05:52	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-21-W-240312

Lab Sample ID: 410-163914-2

Date Collected: 03/12/24 15:00

Matrix: Water

Date Received: 03/14/24 09:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		80 - 120		03/19/24 05:52	1
4-Bromofluorobenzene (Surr)	88		80 - 120		03/19/24 05:52	1
Dibromofluoromethane (Surr)	110		80 - 120		03/19/24 05:52	1
Toluene-d8 (Surr)	101		80 - 120		03/19/24 05:52	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.15	0.064	ug/L		03/18/24 15:55	03/20/24 04:00	1
Silvex (2,4,5-TP) (1C)	ND		0.049	0.021	ug/L		03/18/24 15:55	03/20/24 04:00	1
2,4-D (1C)	ND		0.59	0.24	ug/L		03/18/24 15:55	03/20/24 04:00	1
2,4-DB (2C)	ND		1.5	0.62	ug/L		03/18/24 15:55	03/20/24 04:00	1
Dichloroprop (1C)	ND		0.49	0.16	ug/L		03/18/24 15:55	03/20/24 04:00	1
Dalapon (1C)	ND		12	5.6	ug/L		03/18/24 15:55	03/20/24 04:00	1
Dicamba (1C)	ND		0.54	0.26	ug/L		03/18/24 15:55	03/20/24 04:00	1
Dinoseb (1C)	ND	*1	0.59	0.27	ug/L		03/18/24 15:55	03/20/24 04:00	1
MCPP (1C)	ND		200	49	ug/L		03/18/24 15:55	03/20/24 04:00	1
MCPA (1C)	ND		200	49	ug/L		03/18/24 15:55	03/20/24 04:00	1
Pentachlorophenol (1C)	ND		0.068	0.026	ug/L		03/18/24 15:55	03/20/24 04:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	87		34 - 142	03/18/24 15:55	03/20/24 04:00	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	85		34 - 142	03/18/24 15:55	03/20/24 04:00	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	330		30	10	mg/L			03/20/24 03:41	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0015	J	0.0020	0.00068	mg/L		03/18/24 21:30	03/25/24 09:46	1
Iron	0.097		0.050	0.020	mg/L		03/18/24 21:30	03/25/24 09:46	1
Manganese	1.4		0.0020	0.00095	mg/L		03/18/24 21:30	03/25/24 09:46	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.025	J	0.052	0.021	mg/L		03/19/24 12:30	03/19/24 19:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:14	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:14	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	650		8.0	2.6	mg/L			03/20/24 09:14	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	650		8.0	2.6	mg/L			03/20/24 09:14	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:14	1
Nitrate as N (EPA 353.2)	60		0.10	0.040	mg/L			03/15/24 11:40	1
Nitrite as N (EPA 353.2)	0.31	H cn	0.050	0.015	mg/L			03/15/24 09:59	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		03/21/24 13:00	03/21/24 15:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-21-W-240312

Lab Sample ID: 410-163914-2

Date Collected: 03/12/24 15:00

Matrix: Water

Date Received: 03/14/24 09:40

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand (SM 5210 B-2016)	ND	H cn	2.0	2.0	mg/L			03/15/24 13:52	1
Ammonia as N (EPA 350.1)	0.080	J	0.10	0.050	mg/L			03/25/24 13:58	1

Client Sample ID: MW-23-W-240313

Lab Sample ID: 410-163914-3

Date Collected: 03/13/24 09:20

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
1,1,1-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
1,1,2,2-Tetrachloroethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
1,1,2-Trichloroethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
1,1-Dichloroethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
1,1-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
1,2,3-Trichlorobenzene	ND	cn	5.0	0.40	ug/L			03/19/24 06:14	1
1,2,3-Trichloropropane	22	cn	5.0	0.30	ug/L			03/19/24 06:14	1
1,2,4-Trichlorobenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
1,2,4-Trimethylbenzene	ND	cn	5.0	1.0	ug/L			03/19/24 06:14	1
1,2-Dibromo-3-Chloropropane	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
1,2-Dibromoethane	ND	cn	1.0	0.20	ug/L			03/19/24 06:14	1
1,2-Dichlorobenzene	ND	cn	5.0	0.20	ug/L			03/19/24 06:14	1
1,2-Dichloroethane	0.47	J cn	1.0	0.30	ug/L			03/19/24 06:14	1
1,2-Dichloropropane	240	cn	1.0	0.30	ug/L			03/19/24 06:14	1
1,3,5-Trimethylbenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
1,3-Dichlorobenzene	ND	cn	5.0	0.68	ug/L			03/19/24 06:14	1
1,4-Dichlorobenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
2-Butanone	ND	cn	10	0.50	ug/L			03/19/24 06:14	1
2-Hexanone	ND	cn	10	0.85	ug/L			03/19/24 06:14	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			03/19/24 06:14	1
4-Methyl-2-pentanone	ND	cn	10	0.50	ug/L			03/19/24 06:14	1
Acetone	1.8	J cn	20	0.70	ug/L			03/19/24 06:14	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/19/24 06:14	1
Benzene	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Bromobenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
Bromochloromethane	ND	cn	5.0	0.20	ug/L			03/19/24 06:14	1
Bromodichloromethane	ND	cn	1.0	0.20	ug/L			03/19/24 06:14	1
Bromoform	ND	cn	4.0	1.0	ug/L			03/19/24 06:14	1
Bromomethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Carbon disulfide	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
Carbon tetrachloride	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Chlorobenzene	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Chloroethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Chloroform	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Chloromethane	ND	cn	2.0	0.55	ug/L			03/19/24 06:14	1
cis-1,2-Dichloroethene	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
cis-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/19/24 06:14	1
Dibromochloromethane	ND	cn	1.0	0.20	ug/L			03/19/24 06:14	1
Dibromomethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-23-W-240313

Lab Sample ID: 410-163914-3

Date Collected: 03/13/24 09:20

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
Ethylbenzene	ND	cn	1.0	0.40	ug/L			03/19/24 06:14	1
Isopropylbenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
m&p-Xylene	ND	cn	5.0	2.0	ug/L			03/19/24 06:14	1
Methyl iodide	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Methyl tertiary butyl ether	ND	cn	1.0	0.20	ug/L			03/19/24 06:14	1
Methylene Chloride	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Naphthalene	ND	cn	5.0	1.0	ug/L			03/19/24 06:14	1
n-Butylbenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
N-Propylbenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
o-Xylene	ND	cn	1.0	0.40	ug/L			03/19/24 06:14	1
p-Isopropyltoluene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
sec-Butylbenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
Styrene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
tert-Butylbenzene	ND	cn	5.0	0.30	ug/L			03/19/24 06:14	1
Tetrachloroethene	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Tetrahydrofuran	ND	cn	10	1.6	ug/L			03/19/24 06:14	1
Toluene	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
trans-1,2-Dichloroethene	ND	cn	2.0	0.70	ug/L			03/19/24 06:14	1
trans-1,3-Dichloropropene	ND	cn	1.0	0.20	ug/L			03/19/24 06:14	1
trans-1,4-Dichloro-2-butene	ND	cn	50	6.0	ug/L			03/19/24 06:14	1
Trichloroethene	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Trichlorofluoromethane	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1
Vinyl chloride	ND	cn	1.0	0.30	ug/L			03/19/24 06:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112	cn	80 - 120		03/19/24 06:14	1
4-Bromofluorobenzene (Surr)	86	cn	80 - 120		03/19/24 06:14	1
Dibromofluoromethane (Surr)	107	cn	80 - 120		03/19/24 06:14	1
Toluene-d8 (Surr)	101	cn	80 - 120		03/19/24 06:14	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.16	0.068	ug/L		03/18/24 15:55	03/20/24 04:34	1
Silvex (2,4,5-TP) (1C)	ND		0.052	0.023	ug/L		03/18/24 15:55	03/20/24 04:34	1
2,4-D (1C)	ND		0.63	0.26	ug/L		03/18/24 15:55	03/20/24 04:34	1
2,4-DB (2C)	ND		1.6	0.66	ug/L		03/18/24 15:55	03/20/24 04:34	1
Dichloroprop (1C)	ND		0.52	0.17	ug/L		03/18/24 15:55	03/20/24 04:34	1
Dalapon (1C)	ND		13	6.0	ug/L		03/18/24 15:55	03/20/24 04:34	1
Dicamba (1C)	ND		0.58	0.28	ug/L		03/18/24 15:55	03/20/24 04:34	1
Dinoseb (1C)	ND	*1	0.63	0.29	ug/L		03/18/24 15:55	03/20/24 04:34	1
MCPD (1C)	ND		210	52	ug/L		03/18/24 15:55	03/20/24 04:34	1
MCPA (1C)	ND		210	52	ug/L		03/18/24 15:55	03/20/24 04:34	1
Pentachlorophenol (1C)	ND		0.073	0.028	ug/L		03/18/24 15:55	03/20/24 04:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	136		34 - 142	03/18/24 15:55	03/20/24 04:34	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	61	p	34 - 142	03/18/24 15:55	03/20/24 04:34	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-23-W-240313

Lab Sample ID: 410-163914-3

Date Collected: 03/13/24 09:20

Matrix: Water

Date Received: 03/14/24 09:40

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	260		30	10	mg/L			03/20/24 03:54	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.025		0.0020	0.00068	mg/L		03/18/24 21:30	03/25/24 09:54	1
Iron	1.3		0.050	0.020	mg/L		03/18/24 21:30	03/25/24 09:54	1
Manganese	0.44		0.0020	0.00095	mg/L		03/18/24 21:30	03/25/24 09:54	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.97		0.052	0.021	mg/L		03/18/24 23:30	03/19/24 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 02:01	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 02:01	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	1500		8.0	2.6	mg/L			03/20/24 02:01	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	1500		8.0	2.6	mg/L			03/20/24 02:01	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 02:01	1
Nitrate as N (EPA 353.2)	110		0.10	0.040	mg/L			03/15/24 11:40	1
Nitrite as N (EPA 353.2)	17		1.0	0.30	mg/L			03/15/24 10:48	20
Total Phosphorus as P (EPA 365.1)	0.076	J cn	0.10	0.050	mg/L		03/21/24 13:00	03/21/24 15:10	1
Biochemical Oxygen Demand (SM 5210 B-2016)	13	H cn	2.0	2.0	mg/L			03/15/24 14:35	1
Ammonia as N (EPA 350.1)	3.1		0.50	0.25	mg/L			03/25/24 14:04	5

Client Sample ID: TB-1-W-240313

Lab Sample ID: 410-163914-4

Date Collected: 03/13/24 00:00

Matrix: Water

Date Received: 03/15/24 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 00:18	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/19/24 00:18	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/19/24 00:18	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/19/24 00:18	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/19/24 00:18	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/19/24 00:18	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/19/24 00:18	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: TB-1-W-240313

Lab Sample ID: 410-163914-4

Date Collected: 03/13/24 00:00

Matrix: Water

Date Received: 03/15/24 08:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/19/24 00:18	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
2-Butanone	ND		10	0.50	ug/L			03/19/24 00:18	1
2-Hexanone	ND		10	0.85	ug/L			03/19/24 00:18	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			03/19/24 00:18	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/19/24 00:18	1
Acetone	ND	cn	20	0.70	ug/L			03/19/24 00:18	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/19/24 00:18	1
Benzene	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Bromobenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/19/24 00:18	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/19/24 00:18	1
Bromoform	ND		4.0	1.0	ug/L			03/19/24 00:18	1
Bromomethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/19/24 00:18	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Chloroethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Chloroform	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Chloromethane	ND		2.0	0.55	ug/L			03/19/24 00:18	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 00:18	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 00:18	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/19/24 00:18	1
Dibromomethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Ethyl ether	ND		5.0	0.30	ug/L			03/19/24 00:18	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/19/24 00:18	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/19/24 00:18	1
Methyl iodide	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/19/24 00:18	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Naphthalene	ND		5.0	1.0	ug/L			03/19/24 00:18	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
o-Xylene	ND		1.0	0.40	ug/L			03/19/24 00:18	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
Styrene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 00:18	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/19/24 00:18	1
Toluene	ND		1.0	0.30	ug/L			03/19/24 00:18	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/19/24 00:18	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 00:18	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/19/24 00:18	1
Trichloroethene	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/19/24 00:18	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/19/24 00:18	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: TB-1-W-240313

Lab Sample ID: 410-163914-4

Date Collected: 03/13/24 00:00

Matrix: Water

Date Received: 03/15/24 08:50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		80 - 120		03/19/24 00:18	1
4-Bromofluorobenzene (Surr)	88		80 - 120		03/19/24 00:18	1
Dibromofluoromethane (Surr)	105		80 - 120		03/19/24 00:18	1
Toluene-d8 (Surr)	100		80 - 120		03/19/24 00:18	1

Client Sample ID: MW-9-W-240313

Lab Sample ID: 410-163914-5

Date Collected: 03/13/24 10:50

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 06:36	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/19/24 06:36	1
1,2,3-Trichloropropane	3.7	J	5.0	0.30	ug/L			03/19/24 06:36	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/19/24 06:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/19/24 06:36	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/19/24 06:36	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/19/24 06:36	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
1,2-Dichloropropane	22		1.0	0.30	ug/L			03/19/24 06:36	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/19/24 06:36	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
2-Butanone	ND		10	0.50	ug/L			03/19/24 06:36	1
2-Hexanone	ND		10	0.85	ug/L			03/19/24 06:36	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			03/19/24 06:36	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/19/24 06:36	1
Acetone	ND	cn	20	0.70	ug/L			03/19/24 06:36	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/19/24 06:36	1
Benzene	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Bromobenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/19/24 06:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/19/24 06:36	1
Bromoform	ND		4.0	1.0	ug/L			03/19/24 06:36	1
Bromomethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/19/24 06:36	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Chlorobenzene	0.33	J	1.0	0.30	ug/L			03/19/24 06:36	1
Chloroethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Chloroform	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Chloromethane	ND		2.0	0.55	ug/L			03/19/24 06:36	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 06:36	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 06:36	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/19/24 06:36	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-9-W-240313

Lab Sample ID: 410-163914-5

Date Collected: 03/13/24 10:50

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Ethyl ether	ND		5.0	0.30	ug/L			03/19/24 06:36	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/19/24 06:36	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/19/24 06:36	1
Methyl iodide	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/19/24 06:36	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Naphthalene	ND		5.0	1.0	ug/L			03/19/24 06:36	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
o-Xylene	ND		1.0	0.40	ug/L			03/19/24 06:36	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
Styrene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:36	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/19/24 06:36	1
Toluene	ND		1.0	0.30	ug/L			03/19/24 06:36	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/19/24 06:36	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 06:36	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/19/24 06:36	1
Trichloroethene	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/19/24 06:36	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/19/24 06:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		80 - 120		03/19/24 06:36	1
4-Bromofluorobenzene (Surr)	86		80 - 120		03/19/24 06:36	1
Dibromofluoromethane (Surr)	107		80 - 120		03/19/24 06:36	1
Toluene-d8 (Surr)	101		80 - 120		03/19/24 06:36	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.16	0.071	ug/L		03/18/24 15:55	03/20/24 05:08	1
Silvex (2,4,5-TP) (1C)	ND		0.055	0.024	ug/L		03/18/24 15:55	03/20/24 05:08	1
2,4-D (1C)	ND		0.66	0.27	ug/L		03/18/24 15:55	03/20/24 05:08	1
2,4-DB (2C)	ND		1.6	0.69	ug/L		03/18/24 15:55	03/20/24 05:08	1
Dichlorprop (1C)	ND		0.55	0.18	ug/L		03/18/24 15:55	03/20/24 05:08	1
Dalapon (1C)	ND		14	6.2	ug/L		03/18/24 15:55	03/20/24 05:08	1
Dicamba (1C)	ND		0.60	0.30	ug/L		03/18/24 15:55	03/20/24 05:08	1
Dinoseb (2C)	0.45	J *1	0.66	0.31	ug/L		03/18/24 15:55	03/20/24 05:08	1
MCPP (1C)	ND		220	55	ug/L		03/18/24 15:55	03/20/24 05:08	1
MCPA (1C)	ND		220	55	ug/L		03/18/24 15:55	03/20/24 05:08	1
Pentachlorophenol (1C)	ND		0.077	0.030	ug/L		03/18/24 15:55	03/20/24 05:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	82		34 - 142	03/18/24 15:55	03/20/24 05:08	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-9-W-240313

Lab Sample ID: 410-163914-5

Date Collected: 03/13/24 10:50

Matrix: Water

Date Received: 03/14/24 09:40

Method: SW846 8151A - Herbicides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (2C)	83		34 - 142	03/18/24 15:55	03/20/24 05:08	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	220		30	10	mg/L			03/20/24 04:06	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0083		0.0020	0.00068	mg/L		03/19/24 07:55	03/25/24 08:30	1
Iron	0.19		0.050	0.020	mg/L		03/19/24 07:55	03/25/24 08:30	1
Manganese	0.046		0.0020	0.00095	mg/L		03/19/24 07:55	03/25/24 08:30	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.050	J	0.052	0.021	mg/L		03/14/24 23:30	03/15/24 16:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:21	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:21	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	630		8.0	2.6	mg/L			03/20/24 09:21	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	630		8.0	2.6	mg/L			03/20/24 09:21	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 09:21	1
Nitrate as N (EPA 353.2)	66		0.10	0.040	mg/L			03/15/24 11:40	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/15/24 10:00	1
Total Phosphorus as P (EPA 365.1)	0.097	J	0.10	0.050	mg/L		03/15/24 13:39	03/18/24 10:12	1
Biochemical Oxygen Demand (SM 5210 B-2016)	9.7		2.0	2.0	mg/L			03/15/24 13:41	1
Ammonia as N (EPA 350.1)	ND		20	10	mg/L			03/25/24 14:19	200

Client Sample ID: MW-15-W-240313

Lab Sample ID: 410-163914-6

Date Collected: 03/13/24 12:00

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 06:58	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/19/24 06:58	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/19/24 06:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/19/24 06:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/19/24 06:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-15-W-240313

Lab Sample ID: 410-163914-6

Date Collected: 03/13/24 12:00

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/19/24 06:58	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/19/24 06:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/19/24 06:58	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
2-Butanone	ND		10	0.50	ug/L			03/19/24 06:58	1
2-Hexanone	ND		10	0.85	ug/L			03/19/24 06:58	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			03/19/24 06:58	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/19/24 06:58	1
Acetone	ND	cn	20	0.70	ug/L			03/19/24 06:58	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/19/24 06:58	1
Benzene	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Bromobenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/19/24 06:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/19/24 06:58	1
Bromoform	ND		4.0	1.0	ug/L			03/19/24 06:58	1
Bromomethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/19/24 06:58	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Chloroethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Chloroform	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Chloromethane	ND		2.0	0.55	ug/L			03/19/24 06:58	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 06:58	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 06:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/19/24 06:58	1
Dibromomethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Ethyl ether	ND		5.0	0.30	ug/L			03/19/24 06:58	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/19/24 06:58	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/19/24 06:58	1
Methyl iodide	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/19/24 06:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Naphthalene	ND		5.0	1.0	ug/L			03/19/24 06:58	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
o-Xylene	ND		1.0	0.40	ug/L			03/19/24 06:58	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
Styrene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 06:58	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/19/24 06:58	1
Toluene	ND		1.0	0.30	ug/L			03/19/24 06:58	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/19/24 06:58	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-15-W-240313

Lab Sample ID: 410-163914-6

Date Collected: 03/13/24 12:00

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 06:58	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/19/24 06:58	1
Trichloroethene	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/19/24 06:58	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/19/24 06:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		80 - 120		03/19/24 06:58	1
4-Bromofluorobenzene (Surr)	87		80 - 120		03/19/24 06:58	1
Dibromofluoromethane (Surr)	107		80 - 120		03/19/24 06:58	1
Toluene-d8 (Surr)	101		80 - 120		03/19/24 06:58	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.16	0.070	ug/L		03/18/24 15:55	03/20/24 07:24	1
Silvex (2,4,5-TP) (1C)	ND		0.054	0.024	ug/L		03/18/24 15:55	03/20/24 07:24	1
2,4-D (1C)	ND		0.64	0.27	ug/L		03/18/24 15:55	03/20/24 07:24	1
2,4-DB (2C)	ND		1.6	0.68	ug/L		03/18/24 15:55	03/20/24 07:24	1
Dichlorprop (1C)	ND		0.54	0.17	ug/L		03/18/24 15:55	03/20/24 07:24	1
Dalapon (1C)	ND		13	6.1	ug/L		03/18/24 15:55	03/20/24 07:24	1
Dicamba (1C)	ND		0.59	0.29	ug/L		03/18/24 15:55	03/20/24 07:24	1
Dinoseb (2C)	ND	*1	0.64	0.30	ug/L		03/18/24 15:55	03/20/24 07:24	1
MCPP (1C)	ND		210	54	ug/L		03/18/24 15:55	03/20/24 07:24	1
MCPA (1C)	ND		210	54	ug/L		03/18/24 15:55	03/20/24 07:24	1
Pentachlorophenol (1C)	ND		0.075	0.029	ug/L		03/18/24 15:55	03/20/24 07:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	74		34 - 142	03/18/24 15:55	03/20/24 07:24	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	70		34 - 142	03/18/24 15:55	03/20/24 07:24	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014		0.0020	0.00068	mg/L		03/14/24 21:15	03/18/24 18:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	3.9		0.10	0.040	mg/L			03/15/24 09:58	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/15/24 07:55	1

Client Sample ID: EB-1-W-240313

Lab Sample ID: 410-163914-7

Date Collected: 03/13/24 12:15

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: EB-1-W-240313

Lab Sample ID: 410-163914-7

Date Collected: 03/13/24 12:15

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 01:25	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/19/24 01:25	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/19/24 01:25	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/19/24 01:25	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/19/24 01:25	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/19/24 01:25	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/19/24 01:25	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/19/24 01:25	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
2-Butanone	ND		10	0.50	ug/L			03/19/24 01:25	1
2-Hexanone	ND		10	0.85	ug/L			03/19/24 01:25	1
2-Methylnaphthalene	ND	cn	5.0	2.0	ug/L			03/19/24 01:25	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/19/24 01:25	1
Acetone	ND	cn	20	0.70	ug/L			03/19/24 01:25	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/19/24 01:25	1
Benzene	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Bromobenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/19/24 01:25	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/19/24 01:25	1
Bromoform	ND		4.0	1.0	ug/L			03/19/24 01:25	1
Bromomethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/19/24 01:25	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Chloroethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Chloroform	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Chloromethane	ND		2.0	0.55	ug/L			03/19/24 01:25	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/19/24 01:25	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 01:25	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/19/24 01:25	1
Dibromomethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Ethyl ether	ND		5.0	0.30	ug/L			03/19/24 01:25	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/19/24 01:25	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/19/24 01:25	1
Methyl iodide	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/19/24 01:25	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Naphthalene	ND		5.0	1.0	ug/L			03/19/24 01:25	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
o-Xylene	ND		1.0	0.40	ug/L			03/19/24 01:25	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: EB-1-W-240313

Lab Sample ID: 410-163914-7

Date Collected: 03/13/24 12:15

Matrix: Water

Date Received: 03/14/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/19/24 01:25	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/19/24 01:25	1
Toluene	ND		1.0	0.30	ug/L			03/19/24 01:25	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/19/24 01:25	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/19/24 01:25	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/19/24 01:25	1
Trichloroethene	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/19/24 01:25	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/19/24 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120		03/19/24 01:25	1
4-Bromofluorobenzene (Surr)	89		80 - 120		03/19/24 01:25	1
Dibromofluoromethane (Surr)	106		80 - 120		03/19/24 01:25	1
Toluene-d8 (Surr)	101		80 - 120		03/19/24 01:25	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.16	0.069	ug/L		03/18/24 15:55	03/20/24 07:58	1
Silvex (2,4,5-TP) (1C)	ND		0.053	0.023	ug/L		03/18/24 15:55	03/20/24 07:58	1
2,4-D (1C)	ND		0.64	0.26	ug/L		03/18/24 15:55	03/20/24 07:58	1
2,4-DB (2C)	ND		1.6	0.67	ug/L		03/18/24 15:55	03/20/24 07:58	1
Dichlorprop (1C)	ND		0.53	0.17	ug/L		03/18/24 15:55	03/20/24 07:58	1
Dalapon (1C)	ND		13	6.0	ug/L		03/18/24 15:55	03/20/24 07:58	1
Dicamba (1C)	ND		0.58	0.29	ug/L		03/18/24 15:55	03/20/24 07:58	1
Dinoseb (2C)	ND	*1	0.64	0.30	ug/L		03/18/24 15:55	03/20/24 07:58	1
MCPP (1C)	ND		210	53	ug/L		03/18/24 15:55	03/20/24 07:58	1
MCPA (1C)	ND		210	53	ug/L		03/18/24 15:55	03/20/24 07:58	1
Pentachlorophenol (1C)	ND		0.074	0.029	ug/L		03/18/24 15:55	03/20/24 07:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	81		34 - 142	03/18/24 15:55	03/20/24 07:58	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	82		34 - 142	03/18/24 15:55	03/20/24 07:58	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/14/24 21:15	03/18/24 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate as N (EPA 353.2)	ND		0.10	0.040	mg/L			03/15/24 09:58	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/15/24 07:55	1

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-163914-2	MW-21-W-240312	113	88	110	101
410-163914-3	MW-23-W-240313	112 cn	86 cn	107 cn	101 cn
410-163914-4	TB-1-W-240313	112	88	105	100
410-163914-5	MW-9-W-240313	114	86	107	101
410-163914-6	MW-15-W-240313	116	87	107	101
410-163914-7	EB-1-W-240313	108	89	106	101
LCS 410-484496/5	Lab Control Sample	104	93	98	105
MB 410-484496/8	Method Blank	111	91	103	103
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (34-142)	DCPAA2 (34-142)
410-163914-2	MW-21-W-240312	87	85
410-163914-3	MW-23-W-240313	136	61 p
410-163914-5	MW-9-W-240313	82	83
410-163914-6	MW-15-W-240313	74	70
410-163914-7	EB-1-W-240313	81	82
LCS 410-484447/2-A	Lab Control Sample	86	82
LCSD 410-484447/3-A	Lab Control Sample Dup	84	79
MB 410-484447/1-A	Method Blank	77	69
Surrogate Legend			
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)			

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

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

Lab Sample ID: MB 410-484496/8

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/18/24 22:50	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/18/24 22:50	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/18/24 22:50	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/18/24 22:50	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/18/24 22:50	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/18/24 22:50	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/18/24 22:50	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
2-Butanone	ND		10	0.50	ug/L			03/18/24 22:50	1
2-Hexanone	ND		10	0.85	ug/L			03/18/24 22:50	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			03/18/24 22:50	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/18/24 22:50	1
Acetone	ND		20	0.70	ug/L			03/18/24 22:50	1
Acrylonitrile	ND		20	1.6	ug/L			03/18/24 22:50	1
Benzene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Bromobenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/18/24 22:50	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/18/24 22:50	1
Bromoform	ND		4.0	1.0	ug/L			03/18/24 22:50	1
Bromomethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Chloroethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Chloroform	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Chloromethane	ND		2.0	0.55	ug/L			03/18/24 22:50	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/18/24 22:50	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/18/24 22:50	1
Dibromomethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Ethyl ether	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/18/24 22:50	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/18/24 22:50	1
Methyl iodide	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/18/24 22:50	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/18/24 22:50	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

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

Lab Sample ID: MB 410-484496/8

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0	1.0	ug/L			03/18/24 22:50	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
o-Xylene	ND		1.0	0.40	ug/L			03/18/24 22:50	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Styrene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/18/24 22:50	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/18/24 22:50	1
Toluene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/18/24 22:50	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/18/24 22:50	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/18/24 22:50	1
Trichloroethene	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/18/24 22:50	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/18/24 22:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		80 - 120		03/18/24 22:50	1
4-Bromofluorobenzene (Surr)	91		80 - 120		03/18/24 22:50	1
Dibromofluoromethane (Surr)	103		80 - 120		03/18/24 22:50	1
Toluene-d8 (Surr)	103		80 - 120		03/18/24 22:50	1

Lab Sample ID: LCS 410-484496/5

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.5		ug/L		98	78 - 120
1,1,1-Trichloroethane	20.0	19.1		ug/L		96	67 - 126
1,1,2,2-Tetrachloroethane	20.0	21.7		ug/L		108	72 - 120
1,1,2-Trichloroethane	20.0	20.9		ug/L		105	80 - 120
1,1-Dichloroethane	20.0	20.7		ug/L		104	80 - 120
1,1-Dichloroethene	20.0	20.9		ug/L		105	80 - 131
1,2,3-Trichlorobenzene	20.0	17.1		ug/L		85	66 - 120
1,2,3-Trichloropropane	20.0	20.9		ug/L		105	75 - 124
1,2,4-Trichlorobenzene	20.0	18.1		ug/L		90	63 - 120
1,2,4-Trimethylbenzene	20.0	20.5		ug/L		102	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	18.1		ug/L		90	47 - 131
1,2-Dibromoethane	20.0	20.5		ug/L		103	77 - 120
1,2-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
1,2-Dichloroethane	20.0	19.1		ug/L		96	73 - 124
1,2-Dichloropropane	20.0	20.5		ug/L		103	80 - 120
1,3,5-Trimethylbenzene	20.0	20.5		ug/L		102	75 - 120
1,3-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120
2-Butanone	250	281		ug/L		112	59 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

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

Lab Sample ID: LCS 410-484496/5

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	250	270		ug/L		108	56 - 135
2-Methylnaphthalene	20.0	12.7		ug/L		64	34 - 120
4-Methyl-2-pentanone	250	252		ug/L		101	62 - 133
Acetone	250	315		ug/L		126	54 - 157
Acrylonitrile	100	109		ug/L		109	60 - 129
Benzene	20.0	20.7		ug/L		104	80 - 120
Bromobenzene	20.0	20.6		ug/L		103	80 - 120
Bromochloromethane	20.0	20.8		ug/L		104	80 - 120
Bromodichloromethane	20.0	19.2		ug/L		96	71 - 120
Bromoform	20.0	19.0		ug/L		95	51 - 120
Bromomethane	20.0	17.9		ug/L		90	53 - 128
Carbon disulfide	20.0	20.2		ug/L		101	65 - 128
Carbon tetrachloride	20.0	19.3		ug/L		96	64 - 134
Chlorobenzene	20.0	21.0		ug/L		105	80 - 120
Chloroethane	20.0	17.8		ug/L		89	55 - 123
Chloroform	20.0	22.0		ug/L		110	80 - 120
Chloromethane	20.0	15.9		ug/L		80	56 - 121
cis-1,2-Dichloroethene	20.0	20.3		ug/L		101	80 - 125
cis-1,3-Dichloropropene	20.0	18.4		ug/L		92	75 - 120
Dibromochloromethane	20.0	19.8		ug/L		99	71 - 120
Dibromomethane	20.0	19.2		ug/L		96	80 - 120
Dichlorodifluoromethane	20.0	14.7		ug/L		73	41 - 127
Ethyl ether	20.0	13.5		ug/L		68	59 - 141
Ethylbenzene	20.0	20.1		ug/L		100	80 - 120
Isopropylbenzene	20.0	20.8		ug/L		104	80 - 120
m&p-Xylene	40.0	40.4		ug/L		101	80 - 120
Methyl iodide	20.0	18.9		ug/L		95	73 - 125
Methyl tertiary butyl ether	20.0	18.2		ug/L		91	69 - 122
Methylene Chloride	20.0	20.9		ug/L		105	80 - 120
Naphthalene	20.0	18.3		ug/L		92	53 - 124
n-Butylbenzene	20.0	20.5		ug/L		102	76 - 120
N-Propylbenzene	20.0	22.1		ug/L		110	79 - 121
o-Xylene	20.0	19.5		ug/L		97	80 - 120
p-Isopropyltoluene	20.0	19.7		ug/L		98	76 - 120
sec-Butylbenzene	20.0	21.0		ug/L		105	77 - 120
Styrene	20.0	20.0		ug/L		100	80 - 120
tert-Butylbenzene	20.0	20.4		ug/L		102	78 - 120
Tetrachloroethene	20.0	19.7		ug/L		99	80 - 120
Tetrahydrofuran	100	103		ug/L		103	54 - 144
Toluene	20.0	20.7		ug/L		103	80 - 120
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 126
trans-1,3-Dichloropropene	20.0	19.4		ug/L		97	67 - 120
trans-1,4-Dichloro-2-butene	100	71.7		ug/L		72	33 - 143
Trichloroethene	20.0	19.7		ug/L		98	80 - 120
Trichlorofluoromethane	20.0	18.0		ug/L		90	55 - 135
Vinyl chloride	20.0	16.0		ug/L		80	56 - 120

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

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

Lab Sample ID: LCS 410-484496/5

Matrix: Water

Analysis Batch: 484496

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		80 - 120
4-Bromofluorobenzene (Surr)	93		80 - 120
Dibromofluoromethane (Surr)	98		80 - 120
Toluene-d8 (Surr)	105		80 - 120

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-484447/1-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 484447

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.15	0.065	ug/L		03/18/24 15:55	03/19/24 22:19	1
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		03/18/24 15:55	03/19/24 22:19	1
2,4-D (1C)	ND		0.60	0.25	ug/L		03/18/24 15:55	03/19/24 22:19	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dalapon (1C)	ND		12	5.7	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dicamba (1C)	ND		0.55	0.27	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dinoseb (1C)	ND		0.60	0.28	ug/L		03/18/24 15:55	03/19/24 22:19	1
MCPPE (1C)	ND		200	50	ug/L		03/18/24 15:55	03/19/24 22:19	1
MCPA (1C)	ND		200	50	ug/L		03/18/24 15:55	03/19/24 22:19	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		03/18/24 15:55	03/19/24 22:19	1

Surrogate	MB	MB							
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	77		34 - 142				03/18/24 15:55	03/19/24 22:19	1
(1C)									
2,4-Dichlorophenylacetic acid (Surr)	69		34 - 142				03/18/24 15:55	03/19/24 22:19	1
(2C)									

Lab Sample ID: LCS 410-484447/2-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 484447

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
2,4,5-T (1C)	0.250	0.213		ug/L		85	57 - 171		
Silvex (2,4,5-TP) (2C)	0.250	0.254		ug/L		102	62 - 170		
2,4-D (2C)	2.51	2.20		ug/L		88	53 - 159		
2,4-DB (2C)	2.51	2.32		ug/L		92	27 - 159		
Dichlorprop (1C)	2.50	2.38		ug/L		95	60 - 151		
Dalapon (2C)	6.25	ND		ug/L		61	26 - 115		
Dicamba (1C)	0.250	ND		ug/L		77	49 - 140		
Dinoseb (1C)	1.25	0.306	J	ug/L		25	10 - 169		
MCPPE (2C)	251	248		ug/L		99	50 - 144		
MCPA (1C)	496	447		ug/L		90	24 - 144		
Pentachlorophenol (2C)	0.199	0.198		ug/L		100	56 - 185		

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-484447/2-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 484447

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	86		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	82		34 - 142

Lab Sample ID: LCSD 410-484447/3-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 484447

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T (1C)	0.250	0.203		ug/L		81	57 - 171	5	30
Silvex (2,4,5-TP) (2C)	0.250	0.246		ug/L		98	62 - 170	3	30
2,4-D (2C)	2.51	2.11		ug/L		84	53 - 159	4	30
2,4-DB (2C)	2.51	2.28		ug/L		91	27 - 159	2	30
Dichlorprop (1C)	2.50	2.35		ug/L		94	60 - 151	1	30
Dalapon (2C)	6.25	ND		ug/L		69	26 - 115	11	30
Dicamba (1C)	0.250	ND		ug/L		76	49 - 140	0	30
Dinoseb (2C)	1.25	0.603	*1	ug/L		48	10 - 169	65	30
MCPD (2C)	251	243		ug/L		97	50 - 144	2	30
MCPA (1C)	496	425		ug/L		86	24 - 144	5	30
Pentachlorophenol (2C)	0.199	0.198		ug/L		99	56 - 185	0	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	84		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	79		34 - 142

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-484992/5

Matrix: Water

Analysis Batch: 484992

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			03/20/24 01:40	1

Lab Sample ID: LCS 410-484992/3

Matrix: Water

Analysis Batch: 484992

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.28		mg/L		97	90 - 110

Lab Sample ID: LCSD 410-484992/4

Matrix: Water

Analysis Batch: 484992

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	7.50	7.30		mg/L		97	90 - 110	0	20

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-483606/1-A
Matrix: Water
Analysis Batch: 483858

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 483606

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/14/24 23:30	03/15/24 16:16	1

Lab Sample ID: LCS 410-483606/2-A
Matrix: Water
Analysis Batch: 483858

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 483606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	4.94		mg/L		99	88 - 119

Lab Sample ID: MB 410-484116/1-A
Matrix: Water
Analysis Batch: 485012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 484116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/19/24 12:30	03/19/24 18:43	1

Lab Sample ID: LCS 410-484116/2-A
Matrix: Water
Analysis Batch: 485012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 484116

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.33		mg/L		107	88 - 119

Lab Sample ID: MB 410-484577/1-A
Matrix: Water
Analysis Batch: 484804

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 484577

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/18/24 23:30	03/19/24 10:25	1

Lab Sample ID: LCS 410-484577/2-A
Matrix: Water
Analysis Batch: 484804

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 484577

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.07		mg/L		101	88 - 119

Lab Sample ID: MB 410-483587/1-A
Matrix: Water
Analysis Batch: 484553

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 483587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/14/24 21:15	03/18/24 17:31	1

Lab Sample ID: LCS 410-483587/2-A
Matrix: Water
Analysis Batch: 484553

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 483587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.493		mg/L		99	85 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-484552/1-A
Matrix: Water
Analysis Batch: 486708

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 484552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/18/24 21:30	03/25/24 09:02	1
Iron	ND		0.050	0.020	mg/L		03/18/24 21:30	03/25/24 09:02	1
Manganese	ND		0.0020	0.00095	mg/L		03/18/24 21:30	03/25/24 09:02	1

Lab Sample ID: LCS 410-484552/2-A
Matrix: Water
Analysis Batch: 486708

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 484552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.495		mg/L		99	85 - 120
Iron	5.00	4.83		mg/L		97	88 - 119
Manganese	0.500	0.485		mg/L		97	89 - 120

Lab Sample ID: MB 410-484647/1-A
Matrix: Water
Analysis Batch: 486708

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 484647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/19/24 07:55	03/25/24 07:56	1
Iron	ND		0.050	0.020	mg/L		03/19/24 07:55	03/25/24 07:56	1
Manganese	ND		0.0020	0.00095	mg/L		03/19/24 07:55	03/25/24 07:56	1

Lab Sample ID: LCS 410-484647/2-A
Matrix: Water
Analysis Batch: 486708

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 484647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.493		mg/L		99	85 - 120
Iron	5.00	4.95		mg/L		99	88 - 119
Manganese	0.500	0.492		mg/L		98	89 - 120

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-485091/56
Matrix: Water
Analysis Batch: 485091

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		8.0	2.6	mg/L			03/20/24 01:07	1

Lab Sample ID: LCS 410-485091/57
Matrix: Water
Analysis Batch: 485091

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	189	185		mg/L		98	66 - 110

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Method: 2320B-2011 - Alkalinity, Total (Continued)

Lab Sample ID: LCSD 410-485091/58
Matrix: Water
Analysis Batch: 485091

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
Total Alkalinity as CaCO3 to pH 4.5	189	186		mg/L		98	66 - 110	0	10

Lab Sample ID: MB 410-485255/119
Matrix: Water
Analysis Batch: 485255

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		8.0	2.6	mg/L			03/20/24 07:22	1

Lab Sample ID: LCS 410-485255/122
Matrix: Water
Analysis Batch: 485255

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Alkalinity as CaCO3 to pH 4.5	189	189		mg/L		100	66 - 110		

Lab Sample ID: LCSD 410-485255/123
Matrix: Water
Analysis Batch: 485255

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
Total Alkalinity as CaCO3 to pH 4.5	189	188		mg/L		100	66 - 110	1	10

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-483742/13
Matrix: Water
Analysis Batch: 483742

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.015	mg/L			03/15/24 07:52	1

Lab Sample ID: LCS 410-483742/14
Matrix: Water
Analysis Batch: 483742

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	0.500	0.540		mg/L		108	90 - 110		

Lab Sample ID: LCSD 410-483742/15
Matrix: Water
Analysis Batch: 483742

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	0.500	0.541		mg/L		108	90 - 110	0	20

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: MB 410-483822/13

Matrix: Water

Analysis Batch: 483822

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.015	mg/L			03/15/24 09:58	1

Lab Sample ID: LCS 410-483822/14

Matrix: Water

Analysis Batch: 483822

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	0.500	0.540		mg/L		108	90 - 110

Lab Sample ID: LCSD 410-483822/15

Matrix: Water

Analysis Batch: 483822

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	0.500	0.537		mg/L		107	90 - 110	1	20

Lab Sample ID: 410-163914-1 MS

Matrix: Water

Analysis Batch: 483822

Client Sample ID: MW-11-W-240312

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	0.046	J H H3	0.200	0.233		mg/L		94	90 - 110

Lab Sample ID: 410-163914-1 DU

Matrix: Water

Analysis Batch: 483822

Client Sample ID: MW-11-W-240312

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	0.046	J H H3	0.0465	J	mg/L		1	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 410-483865/2-A

Matrix: Water

Analysis Batch: 484396

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 483865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		03/15/24 13:39	03/18/24 10:03	1

Lab Sample ID: LCS 410-483865/1-A

Matrix: Water

Analysis Batch: 484396

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 483865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.30	1.39		mg/L		107	90 - 110

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: MB 410-484444/2-A
Matrix: Water
Analysis Batch: 484810

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 484444

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		03/18/24 15:49	03/19/24 10:08	1

Lab Sample ID: LCS 410-484444/1-A
Matrix: Water
Analysis Batch: 484810

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 484444

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.30	1.41		mg/L		109	90 - 110

Lab Sample ID: MB 410-485686/2-A
Matrix: Water
Analysis Batch: 485953

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485686

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		03/21/24 13:00	03/21/24 15:01	1

Lab Sample ID: LCS 410-485686/1-A
Matrix: Water
Analysis Batch: 485953

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.30	1.42		mg/L		109	90 - 110

Method: 5210 B-2016 - BOD, 5-Day

Lab Sample ID: SCB 410-485274/4
Matrix: Water
Analysis Batch: 485274

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

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	1.24	s	0.0000010	0.0000010	mg/L			03/15/24 09:26	1

Lab Sample ID: USB 410-485274/2
Matrix: Water
Analysis Batch: 485274

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

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.183		0.0000010	0.0000010	mg/L			03/15/24 09:15	1

Lab Sample ID: LCS 410-485274/27
Matrix: Water
Analysis Batch: 485274

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	200	171		mg/L		85	85 - 115

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-486830/17

Matrix: Water

Analysis Batch: 486830

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			03/25/24 13:50	1

Lab Sample ID: LCS 410-486830/15

Matrix: Water

Analysis Batch: 486830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.00	2.00		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-486830/16

Matrix: Water

Analysis Batch: 486830

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
Ammonia as N	2.00	2.02		mg/L		101	90 - 110	1	15

Lab Sample ID: 410-163914-1 MS

Matrix: Water

Analysis Batch: 486830

Client Sample ID: MW-11-W-240312

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	ND	F1	2.50	3.58	F1	mg/L		143	90 - 110

Lab Sample ID: 410-163914-1 DU

Matrix: Water

Analysis Batch: 486830

Client Sample ID: MW-11-W-240312

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia as N	ND	F1	ND		mg/L		NC	20

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

GC/MS VOA

Analysis Batch: 484496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-2	MW-21-W-240312	Total/NA	Water	8260D	
410-163914-3	MW-23-W-240313	Total/NA	Water	8260D	
410-163914-4	TB-1-W-240313	Total/NA	Water	8260D	
410-163914-5	MW-9-W-240313	Total/NA	Water	8260D	
410-163914-6	MW-15-W-240313	Total/NA	Water	8260D	
410-163914-7	EB-1-W-240313	Total/NA	Water	8260D	
MB 410-484496/8	Method Blank	Total/NA	Water	8260D	
LCS 410-484496/5	Lab Control Sample	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 484447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-2	MW-21-W-240312	Total/NA	Water	8151A	
410-163914-3	MW-23-W-240313	Total/NA	Water	8151A	
410-163914-5	MW-9-W-240313	Total/NA	Water	8151A	
410-163914-6	MW-15-W-240313	Total/NA	Water	8151A	
410-163914-7	EB-1-W-240313	Total/NA	Water	8151A	
MB 410-484447/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-484447/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-484447/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 484604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-2	MW-21-W-240312	Total/NA	Water	8151A	484447
410-163914-3	MW-23-W-240313	Total/NA	Water	8151A	484447
410-163914-5	MW-9-W-240313	Total/NA	Water	8151A	484447
MB 410-484447/1-A	Method Blank	Total/NA	Water	8151A	484447
LCS 410-484447/2-A	Lab Control Sample	Total/NA	Water	8151A	484447
LCSD 410-484447/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	484447

Analysis Batch: 485045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-6	MW-15-W-240313	Total/NA	Water	8151A	484447
410-163914-7	EB-1-W-240313	Total/NA	Water	8151A	484447

HPLC/IC

Analysis Batch: 484992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total/NA	Water	EPA 300.0 R2.1	
410-163914-2	MW-21-W-240312	Total/NA	Water	EPA 300.0 R2.1	
410-163914-3	MW-23-W-240313	Total/NA	Water	EPA 300.0 R2.1	
410-163914-5	MW-9-W-240313	Total/NA	Water	EPA 300.0 R2.1	
MB 410-484992/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-484992/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-484992/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Metals

Prep Batch: 483587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-6	MW-15-W-240313	Total Recoverable	Water	3005A	
410-163914-7	EB-1-W-240313	Total Recoverable	Water	3005A	
MB 410-483587/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-483587/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 483606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-5	MW-9-W-240313	Dissolved	Water	Non-Digest Prep	
MB 410-483606/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-483606/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 483858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-5	MW-9-W-240313	Dissolved	Water	6020B	483606
MB 410-483606/1-A	Method Blank	Total/NA	Water	6020B	483606
LCS 410-483606/2-A	Lab Control Sample	Total/NA	Water	6020B	483606

Prep Batch: 484116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Dissolved	Water	Non-Digest Prep	
410-163914-2	MW-21-W-240312	Dissolved	Water	Non-Digest Prep	
MB 410-484116/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-484116/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 484552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-2	MW-21-W-240312	Total Recoverable	Water	3005A	
410-163914-3	MW-23-W-240313	Total Recoverable	Water	3005A	
MB 410-484552/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-484552/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 484553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-6	MW-15-W-240313	Total Recoverable	Water	6020B	483587
410-163914-7	EB-1-W-240313	Total Recoverable	Water	6020B	483587
MB 410-483587/1-A	Method Blank	Total Recoverable	Water	6020B	483587
LCS 410-483587/2-A	Lab Control Sample	Total Recoverable	Water	6020B	483587

Prep Batch: 484577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-3	MW-23-W-240313	Dissolved	Water	Non-Digest Prep	
MB 410-484577/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-484577/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 484647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total Recoverable	Water	3005A	
410-163914-5	MW-9-W-240313	Total Recoverable	Water	3005A	
MB 410-484647/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-484647/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Metals

Analysis Batch: 484804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-3	MW-23-W-240313	Dissolved	Water	6020B	484577
MB 410-484577/1-A	Method Blank	Total/NA	Water	6020B	484577
LCS 410-484577/2-A	Lab Control Sample	Total/NA	Water	6020B	484577

Analysis Batch: 485012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Dissolved	Water	6020B	484116
410-163914-2	MW-21-W-240312	Dissolved	Water	6020B	484116
MB 410-484116/1-A	Method Blank	Total/NA	Water	6020B	484116
LCS 410-484116/2-A	Lab Control Sample	Total/NA	Water	6020B	484116

Analysis Batch: 486708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total Recoverable	Water	6020B	484647
410-163914-2	MW-21-W-240312	Total Recoverable	Water	6020B	484552
410-163914-3	MW-23-W-240313	Total Recoverable	Water	6020B	484552
410-163914-5	MW-9-W-240313	Total Recoverable	Water	6020B	484647
MB 410-484552/1-A	Method Blank	Total Recoverable	Water	6020B	484552
MB 410-484647/1-A	Method Blank	Total Recoverable	Water	6020B	484647
LCS 410-484552/2-A	Lab Control Sample	Total Recoverable	Water	6020B	484552
LCS 410-484647/2-A	Lab Control Sample	Total Recoverable	Water	6020B	484647

General Chemistry

Analysis Batch: 483742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-6	MW-15-W-240313	Total/NA	Water	353.2	
410-163914-7	EB-1-W-240313	Total/NA	Water	353.2	
MB 410-483742/13	Method Blank	Total/NA	Water	353.2	
LCS 410-483742/14	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-483742/15	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 483775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total/NA	Water	353.2	
410-163914-2	MW-21-W-240312	Total/NA	Water	353.2	
410-163914-3	MW-23-W-240313	Total/NA	Water	353.2	
410-163914-5	MW-9-W-240313	Total/NA	Water	353.2	
410-163914-6	MW-15-W-240313	Total/NA	Water	353.2	
410-163914-7	EB-1-W-240313	Total/NA	Water	353.2	

Analysis Batch: 483822

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total/NA	Water	353.2	
410-163914-2	MW-21-W-240312	Total/NA	Water	353.2	
410-163914-3	MW-23-W-240313	Total/NA	Water	353.2	
410-163914-5	MW-9-W-240313	Total/NA	Water	353.2	
MB 410-483822/13	Method Blank	Total/NA	Water	353.2	
LCS 410-483822/14	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-483822/15	Lab Control Sample Dup	Total/NA	Water	353.2	
410-163914-1 MS	MW-11-W-240312	Total/NA	Water	353.2	

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

General Chemistry (Continued)

Analysis Batch: 483822 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1 DU	MW-11-W-240312	Total/NA	Water	353.2	

Prep Batch: 483865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-5	MW-9-W-240313	Total/NA	Water	365.1	
MB 410-483865/2-A	Method Blank	Total/NA	Water	365.1	
LCS 410-483865/1-A	Lab Control Sample	Total/NA	Water	365.1	

Analysis Batch: 484396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-5	MW-9-W-240313	Total/NA	Water	365.1	483865
MB 410-483865/2-A	Method Blank	Total/NA	Water	365.1	483865
LCS 410-483865/1-A	Lab Control Sample	Total/NA	Water	365.1	483865

Prep Batch: 484444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total/NA	Water	365.1	
MB 410-484444/2-A	Method Blank	Total/NA	Water	365.1	
LCS 410-484444/1-A	Lab Control Sample	Total/NA	Water	365.1	

Analysis Batch: 484810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total/NA	Water	365.1	484444
MB 410-484444/2-A	Method Blank	Total/NA	Water	365.1	484444
LCS 410-484444/1-A	Lab Control Sample	Total/NA	Water	365.1	484444

Analysis Batch: 485091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-3	MW-23-W-240313	Total/NA	Water	2320B-2011	
MB 410-485091/56	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-485091/57	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-485091/58	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Analysis Batch: 485255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total/NA	Water	2320B-2011	
410-163914-2	MW-21-W-240312	Total/NA	Water	2320B-2011	
410-163914-5	MW-9-W-240313	Total/NA	Water	2320B-2011	
MB 410-485255/119	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-485255/122	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-485255/123	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Analysis Batch: 485274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total/NA	Water	5210 B-2016	
410-163914-2	MW-21-W-240312	Total/NA	Water	5210 B-2016	
410-163914-3	MW-23-W-240313	Total/NA	Water	5210 B-2016	
410-163914-5	MW-9-W-240313	Total/NA	Water	5210 B-2016	
SCB 410-485274/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 410-485274/2	Method Blank	Total/NA	Water	5210 B-2016	
LCS 410-485274/27	Lab Control Sample	Total/NA	Water	5210 B-2016	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

General Chemistry

Prep Batch: 485686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-2	MW-21-W-240312	Total/NA	Water	365.1	
410-163914-3	MW-23-W-240313	Total/NA	Water	365.1	
MB 410-485686/2-A	Method Blank	Total/NA	Water	365.1	
LCS 410-485686/1-A	Lab Control Sample	Total/NA	Water	365.1	

Analysis Batch: 485953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-2	MW-21-W-240312	Total/NA	Water	365.1	485686
410-163914-3	MW-23-W-240313	Total/NA	Water	365.1	485686
MB 410-485686/2-A	Method Blank	Total/NA	Water	365.1	485686
LCS 410-485686/1-A	Lab Control Sample	Total/NA	Water	365.1	485686

Analysis Batch: 486830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-163914-1	MW-11-W-240312	Total/NA	Water	EPA 350.1	
410-163914-2	MW-21-W-240312	Total/NA	Water	EPA 350.1	
410-163914-3	MW-23-W-240313	Total/NA	Water	EPA 350.1	
410-163914-5	MW-9-W-240313	Total/NA	Water	EPA 350.1	
MB 410-486830/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-486830/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-486830/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	
410-163914-1 MS	MW-11-W-240312	Total/NA	Water	EPA 350.1	
410-163914-1 DU	MW-11-W-240312	Total/NA	Water	EPA 350.1	

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-11-W-240312

Lab Sample ID: 410-163914-1

Date Collected: 03/12/24 14:05

Matrix: Water

Date Received: 03/15/24 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		20	484992	W7FX	ELLE	03/20/24 03:29
Dissolved	Prep	Non-Digest Prep			484116	NU9R	ELLE	03/19/24 12:30
Dissolved	Analysis	6020B		1	485012	UCIG	ELLE	03/19/24 19:37
Total Recoverable	Prep	3005A			484647	NU9R	ELLE	03/19/24 07:55
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 08:22
Total/NA	Analysis	2320B-2011		1	485255	DI9Q	ELLE	03/20/24 09:27
Total/NA	Analysis	353.2		1	483822	Q3HN	ELLE	03/15/24 09:59
Total/NA	Analysis	353.2		1	483775	UKJF	ELLE	03/15/24 11:40
Total/NA	Prep	365.1			484444	NLE3	ELLE	03/18/24 15:49 - 03/18/24 17:30 ¹
Total/NA	Analysis	365.1		1	484810	JCG7	ELLE	03/19/24 10:16
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 13:46
Total/NA	Analysis	EPA 350.1		1	486830	JCG7	ELLE	03/25/24 13:52

Client Sample ID: MW-21-W-240312

Lab Sample ID: 410-163914-2

Date Collected: 03/12/24 15:00

Matrix: Water

Date Received: 03/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	484496	JS6E	ELLE	03/19/24 05:52
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	484604	UAMZ	ELLE	03/20/24 04:00
Total/NA	Analysis	EPA 300.0 R2.1		20	484992	W7FX	ELLE	03/20/24 03:41
Dissolved	Prep	Non-Digest Prep			484116	NU9R	ELLE	03/19/24 12:30
Dissolved	Analysis	6020B		1	485012	UCIG	ELLE	03/19/24 19:17
Total Recoverable	Prep	3005A			484552	UAMX	ELLE	03/18/24 21:30
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 09:46
Total/NA	Analysis	2320B-2011		1	485255	DI9Q	ELLE	03/20/24 09:14
Total/NA	Analysis	353.2		1	483822	Q3HN	ELLE	03/15/24 09:59
Total/NA	Analysis	353.2		1	483775	UKJF	ELLE	03/15/24 11:40
Total/NA	Prep	365.1			485686	UJE2	ELLE	03/21/24 13:00 - 03/21/24 14:00 ¹
Total/NA	Analysis	365.1		1	485953	JCG7	ELLE	03/21/24 15:09
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 13:52
Total/NA	Analysis	EPA 350.1		1	486830	JCG7	ELLE	03/25/24 13:58

Client Sample ID: MW-23-W-240313

Lab Sample ID: 410-163914-3

Date Collected: 03/13/24 09:20

Matrix: Water

Date Received: 03/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	484496	JS6E	ELLE	03/19/24 06:14
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	484604	UAMZ	ELLE	03/20/24 04:34
Total/NA	Analysis	EPA 300.0 R2.1		20	484992	W7FX	ELLE	03/20/24 03:54

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-23-W-240313

Lab Sample ID: 410-163914-3

Date Collected: 03/13/24 09:20

Matrix: Water

Date Received: 03/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			484577	UAMX	ELLE	03/18/24 23:30
Dissolved	Analysis	6020B		1	484804	F7JF	ELLE	03/19/24 11:02
Total Recoverable	Prep	3005A			484552	UAMX	ELLE	03/18/24 21:30
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 09:54
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 02:01
Total/NA	Analysis	353.2		20	483822	Q3HN	ELLE	03/15/24 10:48
Total/NA	Analysis	353.2		1	483775	UKJF	ELLE	03/15/24 11:40
Total/NA	Prep	365.1			485686	UJE2	ELLE	03/21/24 13:00 - 03/21/24 14:00 ¹
Total/NA	Analysis	365.1		1	485953	JCG7	ELLE	03/21/24 15:10
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 14:35
Total/NA	Analysis	EPA 350.1		5	486830	JCG7	ELLE	03/25/24 14:04

Client Sample ID: TB-1-W-240313

Lab Sample ID: 410-163914-4

Date Collected: 03/13/24 00:00

Matrix: Water

Date Received: 03/15/24 08:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	484496	JS6E	ELLE	03/19/24 00:18

Client Sample ID: MW-9-W-240313

Lab Sample ID: 410-163914-5

Date Collected: 03/13/24 10:50

Matrix: Water

Date Received: 03/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	484496	JS6E	ELLE	03/19/24 06:36
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	484604	UAMZ	ELLE	03/20/24 05:08
Total/NA	Analysis	EPA 300.0 R2.1		20	484992	W7FX	ELLE	03/20/24 04:06
Dissolved	Prep	Non-Digest Prep			483606	UAMX	ELLE	03/14/24 23:30
Dissolved	Analysis	6020B		1	483858	S4PD	ELLE	03/15/24 16:48
Total Recoverable	Prep	3005A			484647	NU9R	ELLE	03/19/24 07:55
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 08:30
Total/NA	Analysis	2320B-2011		1	485255	DI9Q	ELLE	03/20/24 09:21
Total/NA	Analysis	353.2		1	483822	Q3HN	ELLE	03/15/24 10:00
Total/NA	Analysis	353.2		1	483775	UKJF	ELLE	03/15/24 11:40
Total/NA	Prep	365.1			483865	NLE3	ELLE	03/15/24 13:39 - 03/15/24 16:30 ¹
Total/NA	Analysis	365.1		1	484396	JCG7	ELLE	03/18/24 10:12
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 13:41
Total/NA	Analysis	EPA 350.1		200	486830	JCG7	ELLE	03/25/24 14:19

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Client Sample ID: MW-15-W-240313

Lab Sample ID: 410-163914-6

Date Collected: 03/13/24 12:00

Matrix: Water

Date Received: 03/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	484496	JS6E	ELLE	03/19/24 06:58
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	485045	UAMZ	ELLE	03/20/24 07:24
Total Recoverable	Prep	3005A			483587	UAMX	ELLE	03/14/24 21:15
Total Recoverable	Analysis	6020B		1	484553	UCIG	ELLE	03/18/24 18:19
Total/NA	Analysis	353.2		1	483742	Q3HN	ELLE	03/15/24 07:55
Total/NA	Analysis	353.2		1	483775	UKJF	ELLE	03/15/24 09:58

Client Sample ID: EB-1-W-240313

Lab Sample ID: 410-163914-7

Date Collected: 03/13/24 12:15

Matrix: Water

Date Received: 03/14/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	484496	JS6E	ELLE	03/19/24 01:25
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	485045	UAMZ	ELLE	03/20/24 07:58
Total Recoverable	Prep	3005A			483587	UAMX	ELLE	03/14/24 21:15
Total Recoverable	Analysis	6020B		1	484553	UCIG	ELLE	03/18/24 18:07
Total/NA	Analysis	353.2		1	483742	Q3HN	ELLE	03/15/24 07:55
Total/NA	Analysis	353.2		1	483775	UKJF	ELLE	03/15/24 09:58

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C457	04-11-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	2-Methylnaphthalene
8260D		Water	Ethyl ether

Method Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8151A	Herbicides (GC)	SW846	ELLE
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
2320B-2011	Alkalinity, Total	SM	ELLE
353.2	Nitrate by Calculation	EPA	ELLE
353.2	Nitrogen, Nitrite	EPA	ELLE
365.1	Phosphorus, Total	EPA	ELLE
5210 B-2016	BOD, 5-Day	SM	ELLE
EPA 350.1	Nitrogen, Ammonia	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
365.1	Sample Digestion for Total Phosphorus	MCAWW	ELLE
5030C	Purge and Trap	SW846	ELLE
8151A	Extraction (Herbicides)	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

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

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-163914-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-163914-1	MW-11-W-240312	Water	03/12/24 14:05	03/15/24 08:50
410-163914-2	MW-21-W-240312	Water	03/12/24 15:00	03/14/24 09:40
410-163914-3	MW-23-W-240313	Water	03/13/24 09:20	03/14/24 09:40
410-163914-4	TB-1-W-240313	Water	03/13/24 00:00	03/15/24 08:50
410-163914-5	MW-9-W-240313	Water	03/13/24 10:50	03/14/24 09:40
410-163914-6	MW-15-W-240313	Water	03/13/24 12:00	03/14/24 09:40
410-163914-7	EB-1-W-240313	Water	03/13/24 12:15	03/14/24 09:40

[illegible]

1 Client Information			4 Matrix			5 Analyses Requested												6		
Facility # Bee Jay Scales 182604043/44			WBS			SCR #:														
Site Address 116 N 1st ST Sunnyside WA			Chevron PM			Lead Consultant														
Consultant/Office 2321 club Meridian Dr Ste E			MF																	
Consultant Project Mgr. Marisa Kaffenberger																				
Consultant Phone # 517-202-6459																				
Sampler Dana Hutchins																				
2 Sample Identification			3			4														
Collected			Grab			Composite														
Date Time			Soil			Water														
MW-11-W-240312 3-12-24 1405			X			X														
MW-21-W-240312 3-12-24 1500			X			X														
MW-23-W-240313 3-13-24 0920			X			X														
TB-1-W-240313 - - -			X			X														
MW-9-W-240313 3-13-24 1050			X			X														
MW-15-W-240313 3-13-24 1200			X			X														
EB-1-W-240313 3-13-24 1215			X			X														
7 Turnaround Time Requested (TAT) (please circle)			Relinquished by Dana Hutchins			Date 3-13-24			Time 1300			Received by			Date			Time		
Standard 5 day 4 day			Relinquished by			Date			Time			Received by			Date			Time		
72 hour 48 hour 24 hour																				
8 Data Package (circle if required)			EDD (circle if required)			Relinquished by Commercial Carrier:			Received by			Date			Time					
Type I - Full			CVX-RTBU-FI_05 (default)			UPS FedEx Other			MMP			3/15/24			0850					
Type VI (Raw Data)			Other:			Temperature Upon Receipt 40 C			Custody Seals Intact?			Yes			No					

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-163914-1

Login Number: 163914

List Number: 1

Creator: McCaskey, Jonathan

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Container preservation not listed on COC.
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	N/A	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-163914-1

Login Number: 163914

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 2

Creator: Santiago, Nathaniel

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Container preservation not listed on COC.
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

Sample Preservation Checks (performed by the laboratory)

Question	Answer	Comment
Did the sample containers checked meet expected preservation conditions?	False	Refer to Job Narrative for details.

ANALYTICAL REPORT

PREPARED FOR

Attn: Marisa Kaffenberger
Stantec Consulting Corporation
2321 Club Meridian Drive
Suite E
Okemos, Michigan 48864

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JOB DESCRIPTION

Bee Jay Scales

JOB NUMBER

410-164178-1

Eurofins Lancaster Laboratories Environment Testing, LLC

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

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.

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.

General Chemistry

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
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.
s	Seeded Control Blank (SCB) Recovery High

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

Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-164178-1

Job ID: 410-164178-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-164178-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 3/15/2024 12:00 PM. 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 1.5°C, 3.1°C and 4.6°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Preservation. This does not meet regulatory requirements.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-486596 recovered outside acceptance criteria, low biased, for Acetone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-486596 recovered above the upper control limit for 1,3,5-Trimethylbenzene, 2-Methylnaphthalene, n-Butylbenzene, p-Isopropyltoluene, sec-Butylbenzene and tert-Butylbenzene. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The preservative used in the sample containers provided is not compatible with one of the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: TB-1-W-240314 (410-164178-3). The requested target analyte list includes Acrylonitrile, an acid-labile compound that degrades in an acidic medium.

Method 8260D: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-24-W-240313 (410-164178-1), MW-13-W-240313 (410-164178-2), MW-12R-W-240314 (410-164178-4), MW-3-W-240314 (410-164178-5), MW-16-W-240314 (410-164178-6) and WB-1-W-240314 (410-164178-7). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

Method 8260D: The initial calibration verification (ICV) result for batch 410-487018 was outside acceptance criteria, low biased for Ethyl ether. Non-detections of the affected analytes are reported. Any detections are considered estimated.

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

Herbicides

Method 8151A: Surrogate recovery for the following sample was outside control limits: MW-12R-W-240314 (410-164178-4). Evidence of matrix interference is present.

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

HPLC/IC

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

Metals

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

General Chemistry

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-164178-1

Job ID: 410-164178-1 (Continued)

Eurofins Lancaster Laboratories Environment

Method 353.2_Nitrite: The following samples were received with less than one shift (8 hours) remaining on a test with a holding time of 48 hours or less. As such, the laboratory had insufficient time remaining to perform the analysis within holding time: MW-24-W-240313 (410-164178-1) and MW-13-W-240313 (410-164178-2).

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

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-24-W-240313

Lab Sample ID: 410-164178-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	42		5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloroethane	0.60	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	290		1.0	0.30	ug/L	1		8260D	Total/NA
Dinoseb (2C)	5.1	*1	0.64	0.30	ug/L	1		8151A	Total/NA
Sulfate	82		7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Arsenic	0.0060		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.14		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.0048		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.035	J	0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	260		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	260		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	7.7		0.10	0.040	mg/L	1		353.2	Total/NA

Client Sample ID: MW-13-W-240313

Lab Sample ID: 410-164178-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dinoseb (2C)	1.5	*1	0.67	0.31	ug/L	1		8151A	Total/NA
Sulfate	92		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.014		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.097		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.55		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	270		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	270		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	17		0.10	0.040	mg/L	1		353.2	Total/NA

Client Sample ID: TB-1-W-240314

Lab Sample ID: 410-164178-3

No Detections.

Client Sample ID: MW-12R-W-240314

Lab Sample ID: 410-164178-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	26		10	0.60	ug/L	2		8260D	Total/NA
1,2-Dichloropropane	370		2.0	0.60	ug/L	2		8260D	Total/NA
Benzene	5.6		2.0	0.60	ug/L	2		8260D	Total/NA
Chlorobenzene	120		2.0	0.60	ug/L	2		8260D	Total/NA
Silvex (2,4,5-TP) (2C)	0.037	J p cn	0.059	0.026	ug/L	1		8151A	Total/NA
Dicamba (2C)	1.3	cn	0.65	0.32	ug/L	1		8151A	Total/NA
Dinoseb (2C) - DL	120	*1	14	6.6	ug/L	20		8151A	Total/NA
Sulfate	160		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.016		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.076		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	1.0		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.036	J	0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	560		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	560		8.0	2.6	mg/L	1		2320B-2011	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-12R-W-240314 (Continued)

Lab Sample ID: 410-164178-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate as N	170		0.10	0.040	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.33		0.10	0.050	mg/L	1		365.1	Total/NA
Biochemical Oxygen Demand	2.0		2.0	2.0	mg/L	1		5210 B-2016	Total/NA
Ammonia as N	140		20	10	mg/L	200		EPA 350.1	Total/NA

Client Sample ID: MW-3-W-240314

Lab Sample ID: 410-164178-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloropropane	0.58	J	1.0	0.30	ug/L	1		8260D	Total/NA
Chlorobenzene	5.4		1.0	0.30	ug/L	1		8260D	Total/NA
Dinoseb (2C)	5.4	*1	0.67	0.31	ug/L	1		8151A	Total/NA
Sulfate	100		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.0073		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.055		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	1.3		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	240		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	240		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	180		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.015	J	0.050	0.015	mg/L	1		353.2	Total/NA
Total Phosphorus as P	2.0		0.10	0.050	mg/L	1		365.1	Total/NA
Biochemical Oxygen Demand	6.0		2.0	2.0	mg/L	1		5210 B-2016	Total/NA
Ammonia as N	100		20	10	mg/L	200		EPA 350.1	Total/NA

Client Sample ID: MW-16-W-240314

Lab Sample ID: 410-164178-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	17		5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	71		1.0	0.30	ug/L	1		8260D	Total/NA
Dinoseb (2C) - DL	19	*1	3.6	1.7	ug/L	5		8151A	Total/NA
Sulfate	350		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.0061		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.064		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	1.5		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.043	J	0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	680		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	680		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	72		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	0.69		0.050	0.015	mg/L	1		353.2	Total/NA

Client Sample ID: WB-1-W-240314

Lab Sample ID: 410-164178-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	1.3	J	10	0.50	ug/L	1		8260D	Total/NA
Acetone	4.0	J	20	0.70	ug/L	1		8260D	Total/NA
Sulfate	6.1	J	7.5	2.5	mg/L	5		EPA 300.0 R2.1	Total/NA
Bicarbonate Alkalinity as CaCO3	6.7	J	8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	6.7	J	8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	0.14		0.10	0.040	mg/L	1		353.2	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-24-W-240313

Lab Sample ID: 410-164178-1

Date Collected: 03/13/24 14:15

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 14:47	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 14:47	1
1,2,3-Trichloropropane	42		5.0	0.30	ug/L			03/26/24 14:47	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 14:47	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 14:47	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 14:47	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 14:47	1
1,2-Dichloroethane	0.60	J	1.0	0.30	ug/L			03/26/24 14:47	1
1,2-Dichloropropane	290		1.0	0.30	ug/L			03/26/24 14:47	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 14:47	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 14:47	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 14:47	1
2-Methylnaphthalene	ND	*+	5.0	2.0	ug/L			03/26/24 14:47	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 14:47	1
Acetone	ND		20	0.70	ug/L			03/26/24 14:47	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/26/24 14:47	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 14:47	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 14:47	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 14:47	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 14:47	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 14:47	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 14:47	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 14:47	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 14:47	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/26/24 14:47	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 14:47	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 14:47	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 14:47	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 14:47	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-24-W-240313

Lab Sample ID: 410-164178-1

Date Collected: 03/13/24 14:15

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 14:47	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 14:47	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 14:47	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 14:47	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 14:47	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 14:47	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 14:47	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 14:47	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		03/26/24 14:47	1
4-Bromofluorobenzene (Surr)	98		80 - 120		03/26/24 14:47	1
Dibromofluoromethane (Surr)	102		80 - 120		03/26/24 14:47	1
Toluene-d8 (Surr)	103		80 - 120		03/26/24 14:47	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.16	0.069	ug/L		03/18/24 15:55	03/20/24 09:40	1
Silvex (2,4,5-TP) (1C)	ND		0.053	0.023	ug/L		03/18/24 15:55	03/20/24 09:40	1
2,4-D (1C)	ND		0.64	0.27	ug/L		03/18/24 15:55	03/20/24 09:40	1
2,4-DB (2C)	ND		1.6	0.67	ug/L		03/18/24 15:55	03/20/24 09:40	1
Dichlorprop (1C)	ND		0.53	0.17	ug/L		03/18/24 15:55	03/20/24 09:40	1
Dalapon (1C)	ND		13	6.1	ug/L		03/18/24 15:55	03/20/24 09:40	1
Dicamba (1C)	ND		0.58	0.29	ug/L		03/18/24 15:55	03/20/24 09:40	1
Dinoseb (2C)	5.1	*1	0.64	0.30	ug/L		03/18/24 15:55	03/20/24 09:40	1
MCPP (1C)	ND		210	53	ug/L		03/18/24 15:55	03/20/24 09:40	1
MCPA (1C)	ND		210	53	ug/L		03/18/24 15:55	03/20/24 09:40	1
Pentachlorophenol (1C)	ND		0.074	0.029	ug/L		03/18/24 15:55	03/20/24 09:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	77		34 - 142	03/18/24 15:55	03/20/24 09:40	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	70		34 - 142	03/18/24 15:55	03/20/24 09:40	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	82		7.5	2.5	mg/L			03/20/24 19:38	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0060		0.0020	0.00068	mg/L		03/19/24 07:55	03/25/24 08:26	1
Iron	0.14		0.050	0.020	mg/L		03/19/24 07:55	03/25/24 08:26	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-24-W-240313

Lab Sample ID: 410-164178-1

Date Collected: 03/13/24 14:15

Matrix: Water

Date Received: 03/15/24 12:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.0048		0.0020	0.00095	mg/L		03/19/24 07:55	03/25/24 08:26	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.035	J	0.052	0.021	mg/L		03/19/24 12:30	03/19/24 19:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	260		8.0	2.6	mg/L			03/20/24 03:19	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	260		8.0	2.6	mg/L			03/20/24 03:19	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:19	1
Nitrate as N (EPA 353.2)	7.7		0.10	0.040	mg/L			03/18/24 09:44	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/16/24 07:34	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		03/27/24 16:00	03/28/24 18:44	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/15/24 15:07	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			03/25/24 14:31	1

Client Sample ID: MW-13-W-240313

Lab Sample ID: 410-164178-2

Date Collected: 03/13/24 15:25

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 15:09	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 15:09	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/26/24 15:09	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 15:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 15:09	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 15:09	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 15:09	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 15:09	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 15:09	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 15:09	1
2-Methylnaphthalene	ND	*+	5.0	2.0	ug/L			03/26/24 15:09	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 15:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-13-W-240313

Lab Sample ID: 410-164178-2

Date Collected: 03/13/24 15:25

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	0.70	ug/L			03/26/24 15:09	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/26/24 15:09	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 15:09	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 15:09	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 15:09	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 15:09	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 15:09	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 15:09	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 15:09	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 15:09	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/26/24 15:09	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 15:09	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 15:09	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 15:09	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 15:09	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 15:09	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 15:09	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 15:09	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 15:09	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 15:09	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 15:09	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 15:09	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120					03/26/24 15:09	1
4-Bromofluorobenzene (Surr)	99		80 - 120					03/26/24 15:09	1
Dibromofluoromethane (Surr)	104		80 - 120					03/26/24 15:09	1
Toluene-d8 (Surr)	102		80 - 120					03/26/24 15:09	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-13-W-240313

Lab Sample ID: 410-164178-2

Date Collected: 03/13/24 15:25

Matrix: Water

Date Received: 03/15/24 12:00

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.17	0.072	ug/L		03/18/24 15:55	03/20/24 10:14	1
Silvex (2,4,5-TP) (1C)	ND		0.056	0.024	ug/L		03/18/24 15:55	03/20/24 10:14	1
2,4-D (1C)	ND		0.67	0.28	ug/L		03/18/24 15:55	03/20/24 10:14	1
2,4-DB (2C)	ND		1.7	0.70	ug/L		03/18/24 15:55	03/20/24 10:14	1
Dichlorprop (1C)	ND		0.56	0.18	ug/L		03/18/24 15:55	03/20/24 10:14	1
Dalapon (1C)	ND		14	6.3	ug/L		03/18/24 15:55	03/20/24 10:14	1
Dicamba (1C)	ND		0.61	0.30	ug/L		03/18/24 15:55	03/20/24 10:14	1
Dinoseb (2C)	1.5	*1	0.67	0.31	ug/L		03/18/24 15:55	03/20/24 10:14	1
MCPD (1C)	ND		220	56	ug/L		03/18/24 15:55	03/20/24 10:14	1
MCPA (1C)	ND		220	56	ug/L		03/18/24 15:55	03/20/24 10:14	1
Pentachlorophenol (1C)	ND		0.078	0.030	ug/L		03/18/24 15:55	03/20/24 10:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	80		34 - 142	03/18/24 15:55	03/20/24 10:14	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	77		34 - 142	03/18/24 15:55	03/20/24 10:14	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	92		30	10	mg/L			03/21/24 03:54	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014		0.0020	0.00068	mg/L		03/19/24 07:55	03/25/24 08:24	1
Iron	0.097		0.050	0.020	mg/L		03/19/24 07:55	03/25/24 08:24	1
Manganese	0.55		0.0020	0.00095	mg/L		03/19/24 07:55	03/25/24 08:24	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/19/24 12:30	03/19/24 19:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:33	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:33	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	270		8.0	2.6	mg/L			03/20/24 03:33	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	270		8.0	2.6	mg/L			03/20/24 03:33	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:33	1
Nitrate as N (EPA 353.2)	17		0.10	0.040	mg/L			03/18/24 09:44	1
Nitrite as N (EPA 353.2)	ND	H cn	0.050	0.015	mg/L			03/16/24 07:34	1
Total Phosphorus as P (EPA 365.1)	ND	F1	0.10	0.050	mg/L		03/27/24 16:00	03/28/24 18:43	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/15/24 15:02	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			03/25/24 14:33	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: TB-1-W-240314

Lab Sample ID: 410-164178-3

Date Collected: 03/14/24 00:00

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/25/24 12:46	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/25/24 12:46	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/25/24 12:46	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/25/24 12:46	1
1,2,4-Trimethylbenzene	ND	*+	5.0	1.0	ug/L			03/25/24 12:46	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/25/24 12:46	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/25/24 12:46	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/25/24 12:46	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
1,3,5-Trimethylbenzene	ND	*+ cn	5.0	0.30	ug/L			03/25/24 12:46	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/25/24 12:46	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/25/24 12:46	1
2-Butanone	ND		10	0.50	ug/L			03/25/24 12:46	1
2-Hexanone	ND		10	0.85	ug/L			03/25/24 12:46	1
2-Methylnaphthalene	ND	*+ cn	5.0	2.0	ug/L			03/25/24 12:46	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/25/24 12:46	1
Acetone	ND	cn	20	0.70	ug/L			03/25/24 12:46	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/25/24 12:46	1
Benzene	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Bromobenzene	ND		5.0	0.30	ug/L			03/25/24 12:46	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/25/24 12:46	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/25/24 12:46	1
Bromoform	ND		4.0	1.0	ug/L			03/25/24 12:46	1
Bromomethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/25/24 12:46	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Chloroethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Chloroform	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Chloromethane	ND		2.0	0.55	ug/L			03/25/24 12:46	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/25/24 12:46	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/25/24 12:46	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/25/24 12:46	1
Dibromomethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Ethyl ether	ND		5.0	0.30	ug/L			03/25/24 12:46	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/25/24 12:46	1
Isopropylbenzene	ND	*+	5.0	0.30	ug/L			03/25/24 12:46	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/25/24 12:46	1
Methyl iodide	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/25/24 12:46	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Naphthalene	ND		5.0	1.0	ug/L			03/25/24 12:46	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: TB-1-W-240314

Lab Sample ID: 410-164178-3

Date Collected: 03/14/24 00:00

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND	*+ cn	5.0	0.30	ug/L			03/25/24 12:46	1
N-Propylbenzene	ND	*+	5.0	0.30	ug/L			03/25/24 12:46	1
o-Xylene	ND		1.0	0.40	ug/L			03/25/24 12:46	1
p-Isopropyltoluene	ND	*+ cn	5.0	0.30	ug/L			03/25/24 12:46	1
sec-Butylbenzene	ND	*+ cn	5.0	0.30	ug/L			03/25/24 12:46	1
Styrene	ND		5.0	0.30	ug/L			03/25/24 12:46	1
tert-Butylbenzene	ND	*+ cn	5.0	0.30	ug/L			03/25/24 12:46	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/25/24 12:46	1
Toluene	ND		1.0	0.30	ug/L			03/25/24 12:46	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/25/24 12:46	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/25/24 12:46	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/25/24 12:46	1
Trichloroethene	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/25/24 12:46	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/25/24 12:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		03/25/24 12:46	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/25/24 12:46	1
Dibromofluoromethane (Surr)	94		80 - 120		03/25/24 12:46	1
Toluene-d8 (Surr)	111		80 - 120		03/25/24 12:46	1

Client Sample ID: MW-12R-W-240314

Lab Sample ID: 410-164178-4

Date Collected: 03/14/24 08:30

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
1,1,1-Trichloroethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
1,1,2-Trichloroethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
1,1-Dichloroethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
1,1-Dichloroethene	ND		2.0	0.60	ug/L			03/26/24 15:32	2
1,2,3-Trichlorobenzene	ND		10	0.80	ug/L			03/26/24 15:32	2
1,2,3-Trichloropropane	26		10	0.60	ug/L			03/26/24 15:32	2
1,2,4-Trichlorobenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
1,2,4-Trimethylbenzene	ND		10	2.0	ug/L			03/26/24 15:32	2
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/L			03/26/24 15:32	2
1,2-Dibromoethane	ND		2.0	0.40	ug/L			03/26/24 15:32	2
1,2-Dichlorobenzene	ND		10	0.40	ug/L			03/26/24 15:32	2
1,2-Dichloroethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
1,2-Dichloropropane	370		2.0	0.60	ug/L			03/26/24 15:32	2
1,3,5-Trimethylbenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
1,3-Dichlorobenzene	ND		10	1.4	ug/L			03/26/24 15:32	2
1,4-Dichlorobenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
2-Butanone	ND		20	1.0	ug/L			03/26/24 15:32	2
2-Hexanone	ND		20	1.7	ug/L			03/26/24 15:32	2
2-Methylnaphthalene	ND	*+	10	4.0	ug/L			03/26/24 15:32	2

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-12R-W-240314

Lab Sample ID: 410-164178-4

Date Collected: 03/14/24 08:30

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	ND		20	1.0	ug/L			03/26/24 15:32	2
Acetone	ND		40	1.4	ug/L			03/26/24 15:32	2
Acrylonitrile	ND	cn	40	3.2	ug/L			03/26/24 15:32	2
Benzene	5.6		2.0	0.60	ug/L			03/26/24 15:32	2
Bromobenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
Bromochloromethane	ND		10	0.40	ug/L			03/26/24 15:32	2
Bromodichloromethane	ND		2.0	0.40	ug/L			03/26/24 15:32	2
Bromoform	ND		8.0	2.0	ug/L			03/26/24 15:32	2
Bromomethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Carbon disulfide	ND		10	0.60	ug/L			03/26/24 15:32	2
Carbon tetrachloride	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Chlorobenzene	120		2.0	0.60	ug/L			03/26/24 15:32	2
Chloroethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Chloroform	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Chloromethane	ND		4.0	1.1	ug/L			03/26/24 15:32	2
cis-1,2-Dichloroethene	ND		2.0	0.60	ug/L			03/26/24 15:32	2
cis-1,3-Dichloropropene	ND		2.0	0.40	ug/L			03/26/24 15:32	2
Dibromochloromethane	ND		2.0	0.40	ug/L			03/26/24 15:32	2
Dibromomethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Dichlorodifluoromethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Ethyl ether	ND	cn	10	0.60	ug/L			03/26/24 15:32	2
Ethylbenzene	ND		2.0	0.80	ug/L			03/26/24 15:32	2
Isopropylbenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
m&p-Xylene	ND		10	4.0	ug/L			03/26/24 15:32	2
Methyl iodide	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Methyl tertiary butyl ether	ND		2.0	0.40	ug/L			03/26/24 15:32	2
Methylene Chloride	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Naphthalene	ND		10	2.0	ug/L			03/26/24 15:32	2
n-Butylbenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
N-Propylbenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
o-Xylene	ND		2.0	0.80	ug/L			03/26/24 15:32	2
p-Isopropyltoluene	ND		10	0.60	ug/L			03/26/24 15:32	2
sec-Butylbenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
Styrene	ND		10	0.60	ug/L			03/26/24 15:32	2
tert-Butylbenzene	ND		10	0.60	ug/L			03/26/24 15:32	2
Tetrachloroethene	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Tetrahydrofuran	ND		20	3.2	ug/L			03/26/24 15:32	2
Toluene	ND		2.0	0.60	ug/L			03/26/24 15:32	2
trans-1,2-Dichloroethene	ND		4.0	1.4	ug/L			03/26/24 15:32	2
trans-1,3-Dichloropropene	ND		2.0	0.40	ug/L			03/26/24 15:32	2
trans-1,4-Dichloro-2-butene	ND		100	12	ug/L			03/26/24 15:32	2
Trichloroethene	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Trichlorofluoromethane	ND		2.0	0.60	ug/L			03/26/24 15:32	2
Vinyl chloride	ND		2.0	0.60	ug/L			03/26/24 15:32	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		03/26/24 15:32	2
4-Bromofluorobenzene (Surr)	97		80 - 120		03/26/24 15:32	2
Dibromofluoromethane (Surr)	101		80 - 120		03/26/24 15:32	2
Toluene-d8 (Surr)	102		80 - 120		03/26/24 15:32	2

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-12R-W-240314

Lab Sample ID: 410-164178-4

Date Collected: 03/14/24 08:30

Matrix: Water

Date Received: 03/15/24 12:00

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND	cn	0.18	0.076	ug/L		03/18/24 15:55	03/20/24 10:48	1
Silvex (2,4,5-TP) (2C)	0.037	J p cn	0.059	0.026	ug/L		03/18/24 15:55	03/20/24 10:48	1
2,4-D (1C)	ND	cn	0.70	0.29	ug/L		03/18/24 15:55	03/20/24 10:48	1
2,4-DB (2C)	ND	cn	1.8	0.74	ug/L		03/18/24 15:55	03/20/24 10:48	1
Dichlorprop (1C)	ND	cn	0.59	0.19	ug/L		03/18/24 15:55	03/20/24 10:48	1
Dalapon (1C)	ND	cn	15	6.7	ug/L		03/18/24 15:55	03/20/24 10:48	1
Dicamba (2C)	1.3	cn	0.65	0.32	ug/L		03/18/24 15:55	03/20/24 10:48	1
MCPP (1C)	ND	cn	230	59	ug/L		03/18/24 15:55	03/20/24 10:48	1
MCPA (1C)	ND	cn	230	59	ug/L		03/18/24 15:55	03/20/24 10:48	1
Pentachlorophenol (1C)	ND	cn	0.082	0.032	ug/L		03/18/24 15:55	03/20/24 10:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	3104	S1+ cn	34 - 142	03/18/24 15:55	03/20/24 10:48	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	28	p S1- cn	34 - 142	03/18/24 15:55	03/20/24 10:48	1

Method: SW846 8151A - Herbicides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb (2C)	120	*1	14	6.6	ug/L		03/18/24 15:55	03/20/24 21:36	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	3085	S1+	34 - 142				03/18/24 15:55	03/20/24 21:36	20
2,4-Dichlorophenylacetic acid (Surr) (2C)	14	p S1-	34 - 142				03/18/24 15:55	03/20/24 21:36	20

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	160		30	10	mg/L			03/21/24 04:06	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016		0.0020	0.00068	mg/L		03/19/24 07:55	03/25/24 08:20	1
Iron	0.076		0.050	0.020	mg/L		03/19/24 07:55	03/25/24 08:20	1
Manganese	1.0		0.0020	0.00095	mg/L		03/19/24 07:55	03/25/24 08:20	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.036	J	0.052	0.021	mg/L		03/19/24 12:30	03/19/24 20:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	560		8.0	2.6	mg/L			03/20/24 03:13	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	560		8.0	2.6	mg/L			03/20/24 03:13	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:13	1
Nitrate as N (EPA 353.2)	170		0.10	0.040	mg/L			03/18/24 09:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-12R-W-240314

Lab Sample ID: 410-164178-4

Date Collected: 03/14/24 08:30

Matrix: Water

Date Received: 03/15/24 12:00

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/16/24 07:35	1
Total Phosphorus as P (EPA 365.1)	0.33		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:09	1
Biochemical Oxygen Demand (SM 5210 B-2016)	2.0		2.0	2.0	mg/L			03/15/24 15:12	1
Ammonia as N (EPA 350.1)	140		20	10	mg/L			03/25/24 14:50	200

Client Sample ID: MW-3-W-240314

Lab Sample ID: 410-164178-5

Date Collected: 03/14/24 09:15

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 16:17	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 16:17	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/26/24 16:17	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 16:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 16:17	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 16:17	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 16:17	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
1,2-Dichloropropane	0.58	J	1.0	0.30	ug/L			03/26/24 16:17	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 16:17	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 16:17	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 16:17	1
2-Methylnaphthalene	ND	*+	5.0	2.0	ug/L			03/26/24 16:17	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 16:17	1
Acetone	ND		20	0.70	ug/L			03/26/24 16:17	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/26/24 16:17	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 16:17	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 16:17	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 16:17	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 16:17	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Chlorobenzene	5.4		1.0	0.30	ug/L			03/26/24 16:17	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 16:17	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 16:17	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 16:17	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-3-W-240314

Lab Sample ID: 410-164178-5

Date Collected: 03/14/24 09:15

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 16:17	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/26/24 16:17	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 16:17	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 16:17	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 16:17	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 16:17	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 16:17	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:17	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 16:17	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 16:17	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 16:17	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 16:17	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 16:17	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 16:17	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		03/26/24 16:17	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/26/24 16:17	1
Dibromofluoromethane (Surr)	103		80 - 120		03/26/24 16:17	1
Toluene-d8 (Surr)	103		80 - 120		03/26/24 16:17	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.17	0.073	ug/L		03/18/24 15:55	03/20/24 11:23	1
Silvex (2,4,5-TP) (1C)	ND		0.056	0.025	ug/L		03/18/24 15:55	03/20/24 11:23	1
2,4-D (1C)	ND		0.67	0.28	ug/L		03/18/24 15:55	03/20/24 11:23	1
2,4-DB (2C)	ND		1.7	0.70	ug/L		03/18/24 15:55	03/20/24 11:23	1
Dichlorprop (1C)	ND		0.56	0.18	ug/L		03/18/24 15:55	03/20/24 11:23	1
Dalapon (1C)	ND		14	6.4	ug/L		03/18/24 15:55	03/20/24 11:23	1
Dicamba (1C)	ND		0.61	0.30	ug/L		03/18/24 15:55	03/20/24 11:23	1
Dinoseb (2C)	5.4	*1	0.67	0.31	ug/L		03/18/24 15:55	03/20/24 11:23	1
MCPP (1C)	ND		220	56	ug/L		03/18/24 15:55	03/20/24 11:23	1
MCPA (1C)	ND		220	56	ug/L		03/18/24 15:55	03/20/24 11:23	1
Pentachlorophenol (1C)	ND		0.078	0.030	ug/L		03/18/24 15:55	03/20/24 11:23	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-3-W-240314

Lab Sample ID: 410-164178-5

Date Collected: 03/14/24 09:15

Matrix: Water

Date Received: 03/15/24 12:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	83		34 - 142	03/18/24 15:55	03/20/24 11:23	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	73		34 - 142	03/18/24 15:55	03/20/24 11:23	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	100		30	10	mg/L			03/21/24 04:18	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0073		0.0020	0.00068	mg/L		03/19/24 07:55	03/25/24 08:18	1
Iron	0.055		0.050	0.020	mg/L		03/19/24 07:55	03/25/24 08:18	1
Manganese	1.3		0.0020	0.00095	mg/L		03/19/24 07:55	03/25/24 08:18	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/19/24 12:30	03/19/24 19:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 02:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 02:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	240		8.0	2.6	mg/L			03/20/24 02:46	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	240		8.0	2.6	mg/L			03/20/24 02:46	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 02:46	1
Nitrate as N (EPA 353.2)	180		0.10	0.040	mg/L			03/18/24 09:44	1
Nitrite as N (EPA 353.2)	0.015	J	0.050	0.015	mg/L			03/16/24 07:35	1
Total Phosphorus as P (EPA 365.1)	2.0		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:12	1
Biochemical Oxygen Demand (SM 5210 B-2016)	6.0		2.0	2.0	mg/L			03/15/24 15:17	1
Ammonia as N (EPA 350.1)	100		20	10	mg/L			03/25/24 14:52	200

Client Sample ID: MW-16-W-240314

Lab Sample ID: 410-164178-6

Date Collected: 03/14/24 10:45

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 16:39	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 16:39	1
1,2,3-Trichloropropane	17		5.0	0.30	ug/L			03/26/24 16:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 16:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-16-W-240314

Lab Sample ID: 410-164178-6

Date Collected: 03/14/24 10:45

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 16:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 16:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 16:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
1,2-Dichloropropane	71		1.0	0.30	ug/L			03/26/24 16:39	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 16:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 16:39	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 16:39	1
2-Methylnaphthalene	ND	+	5.0	2.0	ug/L			03/26/24 16:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 16:39	1
Acetone	ND		20	0.70	ug/L			03/26/24 16:39	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/26/24 16:39	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 16:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 16:39	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 16:39	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 16:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 16:39	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 16:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 16:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 16:39	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/26/24 16:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 16:39	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 16:39	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 16:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 16:39	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 16:39	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 16:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 16:39	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 16:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-16-W-240314

Lab Sample ID: 410-164178-6

Date Collected: 03/14/24 10:45

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 16:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 16:39	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 16:39	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 16:39	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 16:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		03/26/24 16:39	1
4-Bromofluorobenzene (Surr)	96		80 - 120		03/26/24 16:39	1
Dibromofluoromethane (Surr)	103		80 - 120		03/26/24 16:39	1
Toluene-d8 (Surr)	103		80 - 120		03/26/24 16:39	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.18	0.079	ug/L		03/18/24 15:55	03/20/24 11:57	1
Silvex (2,4,5-TP) (1C)	ND		0.060	0.027	ug/L		03/18/24 15:55	03/20/24 11:57	1
2,4-D (1C)	ND		0.73	0.30	ug/L		03/18/24 15:55	03/20/24 11:57	1
2,4-DB (2C)	ND		1.8	0.76	ug/L		03/18/24 15:55	03/20/24 11:57	1
Dichlorprop (1C)	ND		0.60	0.19	ug/L		03/18/24 15:55	03/20/24 11:57	1
Dalapon (1C)	ND		15	6.9	ug/L		03/18/24 15:55	03/20/24 11:57	1
Dicamba (1C)	ND		0.66	0.33	ug/L		03/18/24 15:55	03/20/24 11:57	1
MCP P (1C)	ND		240	60	ug/L		03/18/24 15:55	03/20/24 11:57	1
MCPA (1C)	ND		240	60	ug/L		03/18/24 15:55	03/20/24 11:57	1
Pentachlorophenol (1C)	ND		0.085	0.033	ug/L		03/18/24 15:55	03/20/24 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	95		34 - 142	03/18/24 15:55	03/20/24 11:57	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	75		34 - 142	03/18/24 15:55	03/20/24 11:57	1

Method: SW846 8151A - Herbicides (GC) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dinoseb (2C)	19	*1	3.6	1.7	ug/L		03/18/24 15:55	03/21/24 05:25	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	103		34 - 142	03/18/24 15:55	03/21/24 05:25	5
2,4-Dichlorophenylacetic acid (Surr) (2C)	72		34 - 142	03/18/24 15:55	03/21/24 05:25	5

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	350		30	10	mg/L			03/21/24 00:14	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0061		0.0020	0.00068	mg/L		03/18/24 21:30	03/25/24 09:38	1
Iron	0.064		0.050	0.020	mg/L		03/18/24 21:30	03/25/24 09:38	1
Manganese	1.5		0.0020	0.00095	mg/L		03/18/24 21:30	03/25/24 09:38	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-16-W-240314

Lab Sample ID: 410-164178-6

Date Collected: 03/14/24 10:45

Matrix: Water

Date Received: 03/15/24 12:00

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.043	J	0.052	0.021	mg/L		03/19/24 12:30	03/19/24 20:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:04	1
Carbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:04	1
Bicarbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	680		8.0	2.6	mg/L			03/20/24 03:04	1
Total Alkalinity as CaCO ₃ to pH 4.5 (SM 2320B-2011)	680		8.0	2.6	mg/L			03/20/24 03:04	1
Phenolphthalein Alkalinity as CaCO ₃ to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:04	1
Nitrate as N (EPA 353.2)	72		0.10	0.040	mg/L			03/18/24 09:44	1
Nitrite as N (EPA 353.2)	0.69		0.050	0.015	mg/L			03/16/24 07:35	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:12	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/15/24 15:22	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			03/25/24 14:35	1

Client Sample ID: WB-1-W-240314

Lab Sample ID: 410-164178-7

Date Collected: 03/14/24 11:15

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 17:02	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 17:02	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/26/24 17:02	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 17:02	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 17:02	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 17:02	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 17:02	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 17:02	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
2-Butanone	1.3	J	10	0.50	ug/L			03/26/24 17:02	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 17:02	1
2-Methylnaphthalene	ND	+	5.0	2.0	ug/L			03/26/24 17:02	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 17:02	1
Acetone	4.0	J	20	0.70	ug/L			03/26/24 17:02	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/26/24 17:02	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 17:02	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: WB-1-W-240314

Lab Sample ID: 410-164178-7

Date Collected: 03/14/24 11:15

Matrix: Water

Date Received: 03/15/24 12:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 17:02	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 17:02	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 17:02	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 17:02	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 17:02	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 17:02	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 17:02	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/26/24 17:02	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 17:02	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 17:02	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 17:02	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 17:02	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 17:02	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 17:02	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 17:02	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 17:02	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 17:02	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 17:02	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 17:02	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 17:02	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		03/26/24 17:02	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/26/24 17:02	1
Dibromofluoromethane (Surr)	104		80 - 120		03/26/24 17:02	1
Toluene-d8 (Surr)	105		80 - 120		03/26/24 17:02	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.16	0.068	ug/L		03/18/24 15:55	03/20/24 12:31	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: WB-1-W-240314

Lab Sample ID: 410-164178-7

Date Collected: 03/14/24 11:15

Matrix: Water

Date Received: 03/15/24 12:00

Method: SW846 8151A - Herbicides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP) (1C)	ND		0.052	0.023	ug/L		03/18/24 15:55	03/20/24 12:31	1
2,4-D (1C)	ND		0.63	0.26	ug/L		03/18/24 15:55	03/20/24 12:31	1
2,4-DB (2C)	ND		1.6	0.66	ug/L		03/18/24 15:55	03/20/24 12:31	1
Dichlorprop (1C)	ND		0.52	0.17	ug/L		03/18/24 15:55	03/20/24 12:31	1
Dalapon (1C)	ND		13	6.0	ug/L		03/18/24 15:55	03/20/24 12:31	1
Dicamba (1C)	ND		0.58	0.28	ug/L		03/18/24 15:55	03/20/24 12:31	1
Dinoseb (2C)	ND	*1	0.63	0.29	ug/L		03/18/24 15:55	03/20/24 12:31	1
MCPPE (1C)	ND		210	52	ug/L		03/18/24 15:55	03/20/24 12:31	1
MCPA (1C)	ND		210	52	ug/L		03/18/24 15:55	03/20/24 12:31	1
Pentachlorophenol (1C)	ND		0.073	0.028	ug/L		03/18/24 15:55	03/20/24 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	84		34 - 142	03/18/24 15:55	03/20/24 12:31	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	79		34 - 142	03/18/24 15:55	03/20/24 12:31	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	6.1	J	7.5	2.5	mg/L			03/21/24 00:27	5

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/18/24 21:30	03/25/24 09:52	1
Iron	ND		0.050	0.020	mg/L		03/18/24 21:30	03/25/24 09:52	1
Manganese	ND		0.0020	0.00095	mg/L		03/18/24 21:30	03/25/24 09:52	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/19/24 12:30	03/19/24 20:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	6.7	J	8.0	2.6	mg/L			03/20/24 03:26	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	6.7	J	8.0	2.6	mg/L			03/20/24 03:26	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 03:26	1
Nitrate as N (EPA 353.2)	0.14		0.10	0.040	mg/L			03/18/24 09:44	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/16/24 07:35	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:11	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/15/24 15:27	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			03/25/24 14:38	1

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-164178-1	MW-24-W-240313	102	98	102	103
410-164178-2	MW-13-W-240313	103	99	104	102
410-164178-3	TB-1-W-240314	101	97	94	111
410-164178-4	MW-12R-W-240314	103	97	101	102
410-164178-5	MW-3-W-240314	103	97	103	103
410-164178-6	MW-16-W-240314	103	96	103	103
410-164178-7	WB-1-W-240314	103	97	104	105
LCS 410-486596/6	Lab Control Sample	105	96	95	109
LCS 410-486596/7	Lab Control Sample	106	95	94	109
LCS 410-487018/4	Lab Control Sample	102	96	101	103
LCSD 410-487018/5	Lab Control Sample Dup	103	97	101	102
MB 410-486596/9	Method Blank	103	95	94	109
MB 410-487018/7	Method Blank	101	97	101	104
Surrogate Legend					
DCA = 1,2-Dichloroethane-d4 (Surr)					
BFB = 4-Bromofluorobenzene (Surr)					
DBFM = Dibromofluoromethane (Surr)					
TOL = Toluene-d8 (Surr)					

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (34-142)	DCPAA2 (34-142)
410-164178-1	MW-24-W-240313	77	70
410-164178-2	MW-13-W-240313	80	77
410-164178-4	MW-12R-W-240314	3104 S1+ cn	28 p S1- cn
410-164178-4 - DL	MW-12R-W-240314	3085 S1+	14 p S1-
410-164178-5	MW-3-W-240314	83	73
410-164178-6	MW-16-W-240314	95	75
410-164178-6 - DL	MW-16-W-240314	103	72
410-164178-7	WB-1-W-240314	84	79
LCS 410-484447/2-A	Lab Control Sample	86	82
LCSD 410-484447/3-A	Lab Control Sample Dup	84	79
MB 410-484447/1-A	Method Blank	77	69
Surrogate Legend			
DCPAA = 2,4-Dichlorophenylacetic acid (Surr)			

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: MB 410-486596/9

Matrix: Water

Analysis Batch: 486596

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/25/24 11:39	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/25/24 11:39	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/25/24 11:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/25/24 11:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/25/24 11:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/25/24 11:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/25/24 11:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/25/24 11:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
2-Butanone	ND		10	0.50	ug/L			03/25/24 11:39	1
2-Hexanone	ND		10	0.85	ug/L			03/25/24 11:39	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			03/25/24 11:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/25/24 11:39	1
Acetone	ND		20	0.70	ug/L			03/25/24 11:39	1
Acrylonitrile	ND		20	1.6	ug/L			03/25/24 11:39	1
Benzene	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Bromobenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/25/24 11:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/25/24 11:39	1
Bromoform	ND		4.0	1.0	ug/L			03/25/24 11:39	1
Bromomethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/25/24 11:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Chloroethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Chloroform	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Chloromethane	ND		2.0	0.55	ug/L			03/25/24 11:39	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/25/24 11:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/25/24 11:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/25/24 11:39	1
Dibromomethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Ethyl ether	ND		5.0	0.30	ug/L			03/25/24 11:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/25/24 11:39	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/25/24 11:39	1
Methyl iodide	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/25/24 11:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/25/24 11:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: MB 410-486596/9

Matrix: Water

Analysis Batch: 486596

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0	1.0	ug/L			03/25/24 11:39	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
o-Xylene	ND		1.0	0.40	ug/L			03/25/24 11:39	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
Styrene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/25/24 11:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/25/24 11:39	1
Toluene	ND		1.0	0.30	ug/L			03/25/24 11:39	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/25/24 11:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/25/24 11:39	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/25/24 11:39	1
Trichloroethene	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/25/24 11:39	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/25/24 11:39	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		03/25/24 11:39	1
4-Bromofluorobenzene (Surr)	95		80 - 120		03/25/24 11:39	1
Dibromofluoromethane (Surr)	94		80 - 120		03/25/24 11:39	1
Toluene-d8 (Surr)	109		80 - 120		03/25/24 11:39	1

Lab Sample ID: LCS 410-486596/6

Matrix: Water

Analysis Batch: 486596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethyl ether	20.0	15.1		ug/L		76	59 - 141

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	105		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	95		80 - 120
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: LCS 410-486596/7

Matrix: Water

Analysis Batch: 486596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	21.8		ug/L		109	78 - 120
1,1,1-Trichloroethane	20.0	18.9		ug/L		95	67 - 126
1,1,2,2-Tetrachloroethane	20.0	22.4		ug/L		112	72 - 120
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	80 - 120
1,1-Dichloroethane	20.0	18.4		ug/L		92	80 - 120
1,1-Dichloroethene	20.0	19.1		ug/L		95	80 - 131

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: LCS 410-486596/7

Matrix: Water

Analysis Batch: 486596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,3-Trichlorobenzene	20.0	22.9		ug/L		115	66 - 120
1,2,3-Trichloropropane	20.0	20.5		ug/L		103	75 - 124
1,2,4-Trichlorobenzene	20.0	24.0		ug/L		120	63 - 120
1,2,4-Trimethylbenzene	20.0	24.1	*+	ug/L		121	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	20.1		ug/L		101	47 - 131
1,2-Dibromoethane	20.0	18.3		ug/L		92	77 - 120
1,2-Dichlorobenzene	20.0	22.3		ug/L		111	80 - 120
1,2-Dichloroethane	20.0	19.0		ug/L		95	73 - 124
1,2-Dichloropropane	20.0	21.4		ug/L		107	80 - 120
1,3,5-Trimethylbenzene	20.0	24.8	*+	ug/L		124	75 - 120
1,3-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,4-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 120
2-Butanone	250	244		ug/L		98	59 - 135
2-Hexanone	250	246		ug/L		98	56 - 135
2-Methylnaphthalene	20.0	25.8	*+	ug/L		129	34 - 120
4-Methyl-2-pentanone	250	250		ug/L		100	62 - 133
Acetone	250	244		ug/L		98	54 - 157
Acrylonitrile	100	91.5		ug/L		91	60 - 129
Benzene	20.0	21.2		ug/L		106	80 - 120
Bromobenzene	20.0	20.1		ug/L		101	80 - 120
Bromochloromethane	20.0	18.5		ug/L		93	80 - 120
Bromodichloromethane	20.0	19.8		ug/L		99	71 - 120
Bromoform	20.0	17.6		ug/L		88	51 - 120
Bromomethane	20.0	21.3		ug/L		107	53 - 128
Carbon disulfide	20.0	19.4		ug/L		97	65 - 128
Carbon tetrachloride	20.0	18.4		ug/L		92	64 - 134
Chlorobenzene	20.0	20.6		ug/L		103	80 - 120
Chloroethane	20.0	22.7		ug/L		113	55 - 123
Chloroform	20.0	19.5		ug/L		97	80 - 120
Chloromethane	20.0	21.6		ug/L		108	56 - 121
cis-1,2-Dichloroethene	20.0	18.8		ug/L		94	80 - 125
cis-1,3-Dichloropropene	20.0	17.8		ug/L		89	75 - 120
Dibromochloromethane	20.0	19.8		ug/L		99	71 - 120
Dibromomethane	20.0	19.0		ug/L		95	80 - 120
Dichlorodifluoromethane	20.0	21.2		ug/L		106	41 - 127
Ethylbenzene	20.0	22.4		ug/L		112	80 - 120
Isopropylbenzene	20.0	25.5	*+	ug/L		128	80 - 120
m&p-Xylene	40.0	44.0		ug/L		110	80 - 120
Methyl iodide	20.0	18.9		ug/L		94	73 - 125
Methyl tertiary butyl ether	20.0	19.9		ug/L		100	69 - 122
Methylene Chloride	20.0	20.1		ug/L		100	80 - 120
Naphthalene	20.0	23.6		ug/L		118	53 - 124
n-Butylbenzene	20.0	24.6	*+	ug/L		123	76 - 120
N-Propylbenzene	20.0	25.0	*+	ug/L		125	79 - 121
o-Xylene	20.0	22.1		ug/L		111	80 - 120
p-Isopropyltoluene	20.0	24.5	*+	ug/L		122	76 - 120
sec-Butylbenzene	20.0	25.4	*+	ug/L		127	77 - 120
Styrene	20.0	20.4		ug/L		102	80 - 120
tert-Butylbenzene	20.0	24.5	*+	ug/L		123	78 - 120

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: LCS 410-486596/7

Matrix: Water

Analysis Batch: 486596

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	20.0	21.3		ug/L		106	80 - 120
Tetrahydrofuran	100	81.0		ug/L		81	54 - 144
Toluene	20.0	22.2		ug/L		111	80 - 120
trans-1,2-Dichloroethene	20.0	17.7		ug/L		89	80 - 126
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	67 - 120
trans-1,4-Dichloro-2-butene	100	83.1		ug/L		83	33 - 143
Trichloroethene	20.0	21.3		ug/L		107	80 - 120
Trichlorofluoromethane	20.0	19.1		ug/L		95	55 - 135
Vinyl chloride	20.0	22.0		ug/L		110	56 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	106		80 - 120
4-Bromofluorobenzene (Surr)	95		80 - 120
Dibromofluoromethane (Surr)	94		80 - 120
Toluene-d8 (Surr)	109		80 - 120

Lab Sample ID: MB 410-487018/7

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 11:54	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/26/24 11:54	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 11:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 11:54	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 11:54	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 11:54	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 11:54	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 11:54	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 11:54	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			03/26/24 11:54	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 11:54	1
Acetone	ND		20	0.70	ug/L			03/26/24 11:54	1
Acrylonitrile	ND		20	1.6	ug/L			03/26/24 11:54	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 11:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: MB 410-487018/7

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 11:54	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 11:54	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 11:54	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 11:54	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 11:54	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Ethyl ether	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 11:54	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 11:54	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 11:54	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 11:54	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 11:54	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 11:54	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 11:54	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 11:54	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 11:54	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		03/26/24 11:54	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/26/24 11:54	1
Dibromofluoromethane (Surr)	101		80 - 120		03/26/24 11:54	1
Toluene-d8 (Surr)	104		80 - 120		03/26/24 11:54	1

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: LCS 410-487018/4

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.0		ug/L		95	78 - 120
1,1,1-Trichloroethane	20.0	18.3		ug/L		91	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.8		ug/L		99	72 - 120
1,1,2-Trichloroethane	20.0	18.6		ug/L		93	80 - 120
1,1-Dichloroethane	20.0	19.5		ug/L		98	80 - 120
1,1-Dichloroethene	20.0	19.8		ug/L		99	80 - 131
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	66 - 120
1,2,3-Trichloropropane	20.0	19.0		ug/L		95	75 - 124
1,2,4-Trichlorobenzene	20.0	20.5		ug/L		102	63 - 120
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		96	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		88	47 - 131
1,2-Dibromoethane	20.0	18.3		ug/L		91	77 - 120
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	80 - 120
1,2-Dichloroethane	20.0	17.9		ug/L		89	73 - 124
1,2-Dichloropropane	20.0	18.3		ug/L		91	80 - 120
1,3,5-Trimethylbenzene	20.0	19.6		ug/L		98	75 - 120
1,3-Dichlorobenzene	20.0	18.5		ug/L		93	80 - 120
1,4-Dichlorobenzene	20.0	18.6		ug/L		93	80 - 120
2-Butanone	250	222		ug/L		89	59 - 135
2-Hexanone	250	229		ug/L		92	56 - 135
2-Methylnaphthalene	20.0	24.7	*+	ug/L		123	34 - 120
4-Methyl-2-pentanone	250	230		ug/L		92	62 - 133
Acetone	250	221		ug/L		89	54 - 157
Acrylonitrile	100	95.5		ug/L		95	60 - 129
Benzene	20.0	19.0		ug/L		95	80 - 120
Bromobenzene	20.0	18.6		ug/L		93	80 - 120
Bromochloromethane	20.0	19.1		ug/L		96	80 - 120
Bromodichloromethane	20.0	17.6		ug/L		88	71 - 120
Bromoform	20.0	16.7		ug/L		84	51 - 120
Bromomethane	20.0	17.1		ug/L		85	53 - 128
Carbon disulfide	20.0	18.3		ug/L		91	65 - 128
Carbon tetrachloride	20.0	17.8		ug/L		89	64 - 134
Chlorobenzene	20.0	18.7		ug/L		93	80 - 120
Chloroethane	20.0	18.7		ug/L		93	55 - 123
Chloroform	20.0	18.4		ug/L		92	80 - 120
Chloromethane	20.0	16.5		ug/L		82	56 - 121
cis-1,2-Dichloroethene	20.0	19.3		ug/L		97	80 - 125
cis-1,3-Dichloropropene	20.0	16.8		ug/L		84	75 - 120
Dibromochloromethane	20.0	18.1		ug/L		91	71 - 120
Dibromomethane	20.0	17.8		ug/L		89	80 - 120
Dichlorodifluoromethane	20.0	14.7		ug/L		73	41 - 127
Ethyl ether	20.0	19.8		ug/L		99	59 - 141
Ethylbenzene	20.0	18.7		ug/L		94	80 - 120
Isopropylbenzene	20.0	20.2		ug/L		101	80 - 120
m&p-Xylene	40.0	36.9		ug/L		92	80 - 120
Methyl iodide	20.0	18.6		ug/L		93	73 - 125
Methyl tertiary butyl ether	20.0	17.3		ug/L		87	69 - 122
Methylene Chloride	20.0	19.5		ug/L		97	80 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: LCS 410-487018/4

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	20.0	20.5		ug/L		103	53 - 124
n-Butylbenzene	20.0	18.9		ug/L		94	76 - 120
N-Propylbenzene	20.0	19.4		ug/L		97	79 - 121
o-Xylene	20.0	18.6		ug/L		93	80 - 120
p-Isopropyltoluene	20.0	19.0		ug/L		95	76 - 120
sec-Butylbenzene	20.0	19.7		ug/L		98	77 - 120
Styrene	20.0	17.8		ug/L		89	80 - 120
tert-Butylbenzene	20.0	19.5		ug/L		98	78 - 120
Tetrachloroethene	20.0	19.0		ug/L		95	80 - 120
Tetrahydrofuran	100	92.2		ug/L		92	54 - 144
Toluene	20.0	19.4		ug/L		97	80 - 120
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 126
trans-1,3-Dichloropropene	20.0	17.7		ug/L		88	67 - 120
trans-1,4-Dichloro-2-butene	100	76.6		ug/L		77	33 - 143
Trichloroethene	20.0	18.2		ug/L		91	80 - 120
Trichlorofluoromethane	20.0	15.5		ug/L		78	55 - 135
Vinyl chloride	20.0	16.1		ug/L		81	56 - 120

Surrogate	%Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 410-487018/5

Matrix: Water

Analysis Batch: 487018

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
1,1,1,2-Tetrachloroethane	20.0	18.9		ug/L		94	78 - 120	1	30
1,1,1-Trichloroethane	20.0	18.6		ug/L		93	67 - 126	1	30
1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		98	72 - 120	1	30
1,1,2-Trichloroethane	20.0	19.1		ug/L		95	80 - 120	3	30
1,1-Dichloroethane	20.0	20.0		ug/L		100	80 - 120	3	30
1,1-Dichloroethene	20.0	20.2		ug/L		101	80 - 131	2	30
1,2,3-Trichlorobenzene	20.0	19.8		ug/L		99	66 - 120	6	30
1,2,3-Trichloropropane	20.0	18.9		ug/L		95	75 - 124	0	30
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		99	63 - 120	4	30
1,2,4-Trimethylbenzene	20.0	19.3		ug/L		96	75 - 120	1	30
1,2-Dibromo-3-Chloropropane	20.0	16.9		ug/L		84	47 - 131	4	30
1,2-Dibromoethane	20.0	18.5		ug/L		92	77 - 120	1	30
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	2	30
1,2-Dichloroethane	20.0	18.3		ug/L		91	73 - 124	2	30
1,2-Dichloropropane	20.0	19.0		ug/L		95	80 - 120	4	30
1,3,5-Trimethylbenzene	20.0	19.7		ug/L		98	75 - 120	1	30
1,3-Dichlorobenzene	20.0	18.9		ug/L		94	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	3	30
2-Butanone	250	225		ug/L		90	59 - 135	1	30

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: LCSD 410-487018/5

Matrix: Water

Analysis Batch: 487018

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
2-Hexanone	250	232		ug/L		93	56 - 135	1	30
2-Methylnaphthalene	20.0	21.5		ug/L		107	34 - 120	14	30
4-Methyl-2-pentanone	250	235		ug/L		94	62 - 133	2	30
Acetone	250	218		ug/L		87	54 - 157	2	30
Acrylonitrile	100	96.7		ug/L		97	60 - 129	1	30
Benzene	20.0	19.6		ug/L		98	80 - 120	3	30
Bromobenzene	20.0	18.8		ug/L		94	80 - 120	1	30
Bromochloromethane	20.0	19.6		ug/L		98	80 - 120	3	30
Bromodichloromethane	20.0	18.5		ug/L		92	71 - 120	5	30
Bromoform	20.0	17.2		ug/L		86	51 - 120	3	30
Bromomethane	20.0	17.7		ug/L		89	53 - 128	4	30
Carbon disulfide	20.0	18.7		ug/L		93	65 - 128	2	30
Carbon tetrachloride	20.0	18.1		ug/L		91	64 - 134	2	30
Chlorobenzene	20.0	19.0		ug/L		95	80 - 120	2	30
Chloroethane	20.0	19.3		ug/L		96	55 - 123	3	30
Chloroform	20.0	19.1		ug/L		96	80 - 120	4	30
Chloromethane	20.0	17.0		ug/L		85	56 - 121	3	30
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	80 - 125	2	30
cis-1,3-Dichloropropene	20.0	17.3		ug/L		86	75 - 120	3	30
Dibromochloromethane	20.0	18.3		ug/L		92	71 - 120	1	30
Dibromomethane	20.0	18.0		ug/L		90	80 - 120	1	30
Dichlorodifluoromethane	20.0	15.0		ug/L		75	41 - 127	2	30
Ethyl ether	20.0	20.0		ug/L		100	59 - 141	1	30
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120	2	30
Isopropylbenzene	20.0	20.8		ug/L		104	80 - 120	3	30
m&p-Xylene	40.0	37.8		ug/L		94	80 - 120	2	30
Methyl iodide	20.0	19.0		ug/L		95	73 - 125	2	30
Methyl tertiary butyl ether	20.0	17.0		ug/L		85	69 - 122	2	30
Methylene Chloride	20.0	20.2		ug/L		101	80 - 120	3	30
Naphthalene	20.0	19.5		ug/L		98	53 - 124	5	30
n-Butylbenzene	20.0	18.8		ug/L		94	76 - 120	0	30
N-Propylbenzene	20.0	20.0		ug/L		100	79 - 121	3	30
o-Xylene	20.0	18.8		ug/L		94	80 - 120	1	30
p-Isopropyltoluene	20.0	18.9		ug/L		94	76 - 120	1	30
sec-Butylbenzene	20.0	19.4		ug/L		97	77 - 120	1	30
Styrene	20.0	18.5		ug/L		92	80 - 120	3	30
tert-Butylbenzene	20.0	19.3		ug/L		97	78 - 120	1	30
Tetrachloroethene	20.0	18.8		ug/L		94	80 - 120	1	30
Tetrahydrofuran	100	94.9		ug/L		95	54 - 144	3	30
Toluene	20.0	19.5		ug/L		97	80 - 120	0	30
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 126	0	30
trans-1,3-Dichloropropene	20.0	17.8		ug/L		89	67 - 120	1	30
trans-1,4-Dichloro-2-butene	100	75.9		ug/L		76	33 - 143	1	30
Trichloroethene	20.0	18.8		ug/L		94	80 - 120	3	30
Trichlorofluoromethane	20.0	16.4		ug/L		82	55 - 135	5	30
Vinyl chloride	20.0	16.5		ug/L		83	56 - 120	2	30

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

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

Lab Sample ID: LCSD 410-487018/5

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-484447/1-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 484447

Analyte	MB	MB							
	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.15	0.065	ug/L		03/18/24 15:55	03/19/24 22:19	1
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		03/18/24 15:55	03/19/24 22:19	1
2,4-D (1C)	ND		0.60	0.25	ug/L		03/18/24 15:55	03/19/24 22:19	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dalapon (1C)	ND		12	5.7	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dicamba (1C)	ND		0.55	0.27	ug/L		03/18/24 15:55	03/19/24 22:19	1
Dinoseb (1C)	ND		0.60	0.28	ug/L		03/18/24 15:55	03/19/24 22:19	1
MCPPE (1C)	ND		200	50	ug/L		03/18/24 15:55	03/19/24 22:19	1
MCPA (1C)	ND		200	50	ug/L		03/18/24 15:55	03/19/24 22:19	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		03/18/24 15:55	03/19/24 22:19	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr)	77		34 - 142				03/18/24 15:55	03/19/24 22:19	1
(1C)									
2,4-Dichlorophenylacetic acid (Surr)	69		34 - 142				03/18/24 15:55	03/19/24 22:19	1
(2C)									

Lab Sample ID: LCS 410-484447/2-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 484447

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
2,4,5-T (1C)	0.250	0.213		ug/L		85	57 - 171		
Silvex (2,4,5-TP) (2C)	0.250	0.254		ug/L		102	62 - 170		
2,4-D (2C)	2.51	2.20		ug/L		88	53 - 159		
2,4-DB (2C)	2.51	2.32		ug/L		92	27 - 159		
Dichlorprop (1C)	2.50	2.38		ug/L		95	60 - 151		
Dalapon (2C)	6.25	ND		ug/L		61	26 - 115		
Dicamba (1C)	0.250	ND		ug/L		77	49 - 140		
Dinoseb (1C)	1.25	0.306	J	ug/L		25	10 - 169		
MCPPE (2C)	251	248		ug/L		99	50 - 144		
MCPA (1C)	496	447		ug/L		90	24 - 144		
Pentachlorophenol (2C)	0.199	0.198		ug/L		100	56 - 185		

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-484447/2-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 484447

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	86		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	82		34 - 142

Lab Sample ID: LCSD 410-484447/3-A

Matrix: Water

Analysis Batch: 484604

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 484447

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-T (1C)	0.250	0.203		ug/L		81	57 - 171	5	30
Silvex (2,4,5-TP) (2C)	0.250	0.246		ug/L		98	62 - 170	3	30
2,4-D (2C)	2.51	2.11		ug/L		84	53 - 159	4	30
2,4-DB (2C)	2.51	2.28		ug/L		91	27 - 159	2	30
Dichlorprop (1C)	2.50	2.35		ug/L		94	60 - 151	1	30
Dalapon (2C)	6.25	ND		ug/L		69	26 - 115	11	30
Dicamba (1C)	0.250	ND		ug/L		76	49 - 140	0	30
Dinoseb (2C)	1.25	0.603	*1	ug/L		48	10 - 169	65	30
MCPD (2C)	251	243		ug/L		97	50 - 144	2	30
MCPA (1C)	496	425		ug/L		86	24 - 144	5	30
Pentachlorophenol (2C)	0.199	0.198		ug/L		99	56 - 185	0	30

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	84		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	79		34 - 142

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-485001/5

Matrix: Water

Analysis Batch: 485001

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			03/20/24 11:21	1

Lab Sample ID: LCS 410-485001/3

Matrix: Water

Analysis Batch: 485001

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.43		mg/L		99	90 - 110

Lab Sample ID: LCSD 410-485001/4

Matrix: Water

Analysis Batch: 485001

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	7.50	7.43		mg/L		99	90 - 110	0	20

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-485323/5

Matrix: Water

Analysis Batch: 485323

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			03/20/24 20:41	1

Lab Sample ID: LCS 410-485323/3

Matrix: Water

Analysis Batch: 485323

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.48		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-485323/4

Matrix: Water

Analysis Batch: 485323

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	7.50	7.49		mg/L		100	90 - 110	0	20

Lab Sample ID: MB 410-485327/5

Matrix: Water

Analysis Batch: 485327

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			03/20/24 21:26	1

Lab Sample ID: LCS 410-485327/3

Matrix: Water

Analysis Batch: 485327

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.48		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-485327/4

Matrix: Water

Analysis Batch: 485327

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	7.50	7.54		mg/L		100	90 - 110	1	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-484115/1-A

Matrix: Water

Analysis Batch: 485013

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 484115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/19/24 12:30	03/19/24 19:40	1

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-484115/2-A
Matrix: Water
Analysis Batch: 485013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 484115

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.21		mg/L		104	88 - 119

Lab Sample ID: MB 410-484116/1-A
Matrix: Water
Analysis Batch: 485012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 484116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/19/24 12:30	03/19/24 18:43	1

Lab Sample ID: LCS 410-484116/2-A
Matrix: Water
Analysis Batch: 485012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 484116

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.33		mg/L		107	88 - 119

Lab Sample ID: MB 410-484552/1-A
Matrix: Water
Analysis Batch: 486708

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 484552

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/18/24 21:30	03/25/24 09:02	1
Iron	ND		0.050	0.020	mg/L		03/18/24 21:30	03/25/24 09:02	1
Manganese	ND		0.0020	0.00095	mg/L		03/18/24 21:30	03/25/24 09:02	1

Lab Sample ID: LCS 410-484552/2-A
Matrix: Water
Analysis Batch: 486708

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 484552

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.495		mg/L		99	85 - 120
Iron	5.00	4.83		mg/L		97	88 - 119
Manganese	0.500	0.485		mg/L		97	89 - 120

Lab Sample ID: MB 410-484647/1-A
Matrix: Water
Analysis Batch: 486708

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 484647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/19/24 07:55	03/25/24 07:56	1
Iron	ND		0.050	0.020	mg/L		03/19/24 07:55	03/25/24 07:56	1
Manganese	ND		0.0020	0.00095	mg/L		03/19/24 07:55	03/25/24 07:56	1

Lab Sample ID: LCS 410-484647/2-A
Matrix: Water
Analysis Batch: 486708

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 484647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.493		mg/L		99	85 - 120
Iron	5.00	4.95		mg/L		99	88 - 119

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 410-484647/2-A

Matrix: Water

Analysis Batch: 486708

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 484647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	0.500	0.492		mg/L		98	89 - 120

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-485091/56

Matrix: Water

Analysis Batch: 485091

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		8.0	2.6	mg/L			03/20/24 01:07	1

Lab Sample ID: LCS 410-485091/57

Matrix: Water

Analysis Batch: 485091

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	189	185		mg/L		98	66 - 110

Lab Sample ID: LCSD 410-485091/58

Matrix: Water

Analysis Batch: 485091

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
Total Alkalinity as CaCO3 to pH 4.5	189	186		mg/L		98	66 - 110	0	10

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-484016/13

Matrix: Water

Analysis Batch: 484016

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.015	mg/L			03/16/24 07:33	1

Lab Sample ID: MB 410-484016/81

Matrix: Water

Analysis Batch: 484016

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.015	mg/L			03/16/24 08:05	1

Lab Sample ID: LCS 410-484016/14

Matrix: Water

Analysis Batch: 484016

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	0.500	0.544		mg/L		109	90 - 110

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCS 410-484016/82

Matrix: Water

Analysis Batch: 484016

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	0.500	0.544		mg/L		109	90 - 110

Lab Sample ID: LCSD 410-484016/15

Matrix: Water

Analysis Batch: 484016

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	0.500	0.540		mg/L		108	90 - 110	1	20

Lab Sample ID: LCSD 410-484016/83

Matrix: Water

Analysis Batch: 484016

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	0.500	0.536		mg/L		107	90 - 110	1	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 410-486244/2-A

Matrix: Water

Analysis Batch: 486902

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 486244

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:04	1

Lab Sample ID: LCS 410-486244/1-A

Matrix: Water

Analysis Batch: 486902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 486244

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.30	1.34		mg/L		103	90 - 110

Lab Sample ID: MB 410-487766/2-A

Matrix: Water

Analysis Batch: 488332

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 487766

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		03/27/24 16:00	03/28/24 18:38	1

Lab Sample ID: LCS 410-487766/1-A

Matrix: Water

Analysis Batch: 488332

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 487766

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.56	1.44		mg/L		92	90 - 110

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: 410-164178-2 MS

Matrix: Water

Analysis Batch: 488332

Client Sample ID: MW-13-W-240313

Prep Type: Total/NA

Prep Batch: 487766

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	ND	F1	2.00	3.37	F1	mg/L		168	90 - 110

Lab Sample ID: 410-164178-2 DU

Matrix: Water

Analysis Batch: 488332

Client Sample ID: MW-13-W-240313

Prep Type: Total/NA

Prep Batch: 487766

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Phosphorus as P	ND	F1	ND		mg/L		NC	4

Method: 5210 B-2016 - BOD, 5-Day

Lab Sample ID: SCB 410-485274/4

Matrix: Water

Analysis Batch: 485274

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	1.24	s	0.0000010	0.0000010	mg/L			03/15/24 09:26	1

Lab Sample ID: USB 410-485274/2

Matrix: Water

Analysis Batch: 485274

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.183		0.0000010	0.0000010	mg/L			03/15/24 09:15	1

Lab Sample ID: LCS 410-485274/27

Matrix: Water

Analysis Batch: 485274

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	200	171		mg/L		85	85 - 115

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-486830/17

Matrix: Water

Analysis Batch: 486830

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			03/25/24 13:50	1

Lab Sample ID: LCS 410-486830/15

Matrix: Water

Analysis Batch: 486830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.00	2.00		mg/L		100	90 - 110

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Method: EPA 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCSD 410-486830/16				Client Sample ID: Lab Control Sample Dup							
Matrix: Water				Prep Type: Total/NA							
Analysis Batch: 486830											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Ammonia as N	2.00	2.02		mg/L		101	90 - 110	1	15		

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

GC/MS VOA

Analysis Batch: 486596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-3	TB-1-W-240314	Total/NA	Water	8260D	
MB 410-486596/9	Method Blank	Total/NA	Water	8260D	
LCS 410-486596/6	Lab Control Sample	Total/NA	Water	8260D	
LCS 410-486596/7	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 487018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	8260D	
410-164178-2	MW-13-W-240313	Total/NA	Water	8260D	
410-164178-4	MW-12R-W-240314	Total/NA	Water	8260D	
410-164178-5	MW-3-W-240314	Total/NA	Water	8260D	
410-164178-6	MW-16-W-240314	Total/NA	Water	8260D	
410-164178-7	WB-1-W-240314	Total/NA	Water	8260D	
MB 410-487018/7	Method Blank	Total/NA	Water	8260D	
LCS 410-487018/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-487018/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 484447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	8151A	
410-164178-2	MW-13-W-240313	Total/NA	Water	8151A	
410-164178-4 - DL	MW-12R-W-240314	Total/NA	Water	8151A	
410-164178-4	MW-12R-W-240314	Total/NA	Water	8151A	
410-164178-5	MW-3-W-240314	Total/NA	Water	8151A	
410-164178-6 - DL	MW-16-W-240314	Total/NA	Water	8151A	
410-164178-6	MW-16-W-240314	Total/NA	Water	8151A	
410-164178-7	WB-1-W-240314	Total/NA	Water	8151A	
MB 410-484447/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-484447/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-484447/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 484604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 410-484447/1-A	Method Blank	Total/NA	Water	8151A	484447
LCS 410-484447/2-A	Lab Control Sample	Total/NA	Water	8151A	484447
LCSD 410-484447/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	484447

Analysis Batch: 485045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	8151A	484447
410-164178-2	MW-13-W-240313	Total/NA	Water	8151A	484447
410-164178-4	MW-12R-W-240314	Total/NA	Water	8151A	484447
410-164178-4 - DL	MW-12R-W-240314	Total/NA	Water	8151A	484447
410-164178-5	MW-3-W-240314	Total/NA	Water	8151A	484447
410-164178-6	MW-16-W-240314	Total/NA	Water	8151A	484447
410-164178-7	WB-1-W-240314	Total/NA	Water	8151A	484447

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

GC Semi VOA

Analysis Batch: 485500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-6 - DL	MW-16-W-240314	Total/NA	Water	8151A	484447

HPLC/IC

Analysis Batch: 485001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	EPA 300.0 R2.1	
MB 410-485001/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-485001/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-485001/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 485323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-6	MW-16-W-240314	Total/NA	Water	EPA 300.0 R2.1	
410-164178-7	WB-1-W-240314	Total/NA	Water	EPA 300.0 R2.1	
MB 410-485323/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-485323/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-485323/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 485327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-2	MW-13-W-240313	Total/NA	Water	EPA 300.0 R2.1	
410-164178-4	MW-12R-W-240314	Total/NA	Water	EPA 300.0 R2.1	
410-164178-5	MW-3-W-240314	Total/NA	Water	EPA 300.0 R2.1	
MB 410-485327/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-485327/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-485327/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 484115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-4	MW-12R-W-240314	Dissolved	Water	Non-Digest Prep	
410-164178-6	MW-16-W-240314	Dissolved	Water	Non-Digest Prep	
410-164178-7	WB-1-W-240314	Dissolved	Water	Non-Digest Prep	
MB 410-484115/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-484115/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 484116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Dissolved	Water	Non-Digest Prep	
410-164178-2	MW-13-W-240313	Dissolved	Water	Non-Digest Prep	
410-164178-5	MW-3-W-240314	Dissolved	Water	Non-Digest Prep	
MB 410-484116/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-484116/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Prep Batch: 484552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-6	MW-16-W-240314	Total Recoverable	Water	3005A	
410-164178-7	WB-1-W-240314	Total Recoverable	Water	3005A	
MB 410-484552/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-484552/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Metals

Prep Batch: 484647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total Recoverable	Water	3005A	
410-164178-2	MW-13-W-240313	Total Recoverable	Water	3005A	
410-164178-4	MW-12R-W-240314	Total Recoverable	Water	3005A	
410-164178-5	MW-3-W-240314	Total Recoverable	Water	3005A	
MB 410-484647/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-484647/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 485012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Dissolved	Water	6020B	484116
410-164178-2	MW-13-W-240313	Dissolved	Water	6020B	484116
410-164178-5	MW-3-W-240314	Dissolved	Water	6020B	484116
MB 410-484116/1-A	Method Blank	Total/NA	Water	6020B	484116
LCS 410-484116/2-A	Lab Control Sample	Total/NA	Water	6020B	484116

Analysis Batch: 485013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-4	MW-12R-W-240314	Dissolved	Water	6020B	484115
410-164178-6	MW-16-W-240314	Dissolved	Water	6020B	484115
410-164178-7	WB-1-W-240314	Dissolved	Water	6020B	484115
MB 410-484115/1-A	Method Blank	Total/NA	Water	6020B	484115
LCS 410-484115/2-A	Lab Control Sample	Total/NA	Water	6020B	484115

Analysis Batch: 486708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total Recoverable	Water	6020B	484647
410-164178-2	MW-13-W-240313	Total Recoverable	Water	6020B	484647
410-164178-4	MW-12R-W-240314	Total Recoverable	Water	6020B	484647
410-164178-5	MW-3-W-240314	Total Recoverable	Water	6020B	484647
410-164178-6	MW-16-W-240314	Total Recoverable	Water	6020B	484552
410-164178-7	WB-1-W-240314	Total Recoverable	Water	6020B	484552
MB 410-484552/1-A	Method Blank	Total Recoverable	Water	6020B	484552
MB 410-484647/1-A	Method Blank	Total Recoverable	Water	6020B	484647
LCS 410-484552/2-A	Lab Control Sample	Total Recoverable	Water	6020B	484552
LCS 410-484647/2-A	Lab Control Sample	Total Recoverable	Water	6020B	484647

General Chemistry

Analysis Batch: 484016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	353.2	
410-164178-2	MW-13-W-240313	Total/NA	Water	353.2	
410-164178-4	MW-12R-W-240314	Total/NA	Water	353.2	
410-164178-5	MW-3-W-240314	Total/NA	Water	353.2	
410-164178-6	MW-16-W-240314	Total/NA	Water	353.2	
410-164178-7	WB-1-W-240314	Total/NA	Water	353.2	
MB 410-484016/13	Method Blank	Total/NA	Water	353.2	
MB 410-484016/81	Method Blank	Total/NA	Water	353.2	
LCS 410-484016/14	Lab Control Sample	Total/NA	Water	353.2	
LCS 410-484016/82	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-484016/15	Lab Control Sample Dup	Total/NA	Water	353.2	

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

General Chemistry (Continued)

Analysis Batch: 484016 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-484016/83	Lab Control Sample Dup	Total/NA	Water	353.2	

Analysis Batch: 484250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	353.2	
410-164178-2	MW-13-W-240313	Total/NA	Water	353.2	
410-164178-4	MW-12R-W-240314	Total/NA	Water	353.2	
410-164178-5	MW-3-W-240314	Total/NA	Water	353.2	
410-164178-6	MW-16-W-240314	Total/NA	Water	353.2	
410-164178-7	WB-1-W-240314	Total/NA	Water	353.2	

Analysis Batch: 485091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	2320B-2011	
410-164178-2	MW-13-W-240313	Total/NA	Water	2320B-2011	
410-164178-4	MW-12R-W-240314	Total/NA	Water	2320B-2011	
410-164178-5	MW-3-W-240314	Total/NA	Water	2320B-2011	
410-164178-6	MW-16-W-240314	Total/NA	Water	2320B-2011	
410-164178-7	WB-1-W-240314	Total/NA	Water	2320B-2011	
MB 410-485091/56	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-485091/57	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-485091/58	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Analysis Batch: 485274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	5210 B-2016	
410-164178-2	MW-13-W-240313	Total/NA	Water	5210 B-2016	
410-164178-4	MW-12R-W-240314	Total/NA	Water	5210 B-2016	
410-164178-5	MW-3-W-240314	Total/NA	Water	5210 B-2016	
410-164178-6	MW-16-W-240314	Total/NA	Water	5210 B-2016	
410-164178-7	WB-1-W-240314	Total/NA	Water	5210 B-2016	
SCB 410-485274/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 410-485274/2	Method Blank	Total/NA	Water	5210 B-2016	
LCS 410-485274/27	Lab Control Sample	Total/NA	Water	5210 B-2016	

Prep Batch: 486244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-4	MW-12R-W-240314	Total/NA	Water	365.1	
410-164178-5	MW-3-W-240314	Total/NA	Water	365.1	
410-164178-6	MW-16-W-240314	Total/NA	Water	365.1	
410-164178-7	WB-1-W-240314	Total/NA	Water	365.1	
MB 410-486244/2-A	Method Blank	Total/NA	Water	365.1	
LCS 410-486244/1-A	Lab Control Sample	Total/NA	Water	365.1	

Analysis Batch: 486830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	EPA 350.1	
410-164178-2	MW-13-W-240313	Total/NA	Water	EPA 350.1	
410-164178-4	MW-12R-W-240314	Total/NA	Water	EPA 350.1	
410-164178-5	MW-3-W-240314	Total/NA	Water	EPA 350.1	
410-164178-6	MW-16-W-240314	Total/NA	Water	EPA 350.1	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

General Chemistry (Continued)

Analysis Batch: 486830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-7	WB-1-W-240314	Total/NA	Water	EPA 350.1	
MB 410-486830/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-486830/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-486830/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

Analysis Batch: 486902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-4	MW-12R-W-240314	Total/NA	Water	365.1	486244
410-164178-5	MW-3-W-240314	Total/NA	Water	365.1	486244
410-164178-6	MW-16-W-240314	Total/NA	Water	365.1	486244
410-164178-7	WB-1-W-240314	Total/NA	Water	365.1	486244
MB 410-486244/2-A	Method Blank	Total/NA	Water	365.1	486244
LCS 410-486244/1-A	Lab Control Sample	Total/NA	Water	365.1	486244

Prep Batch: 487766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	365.1	
410-164178-2	MW-13-W-240313	Total/NA	Water	365.1	
MB 410-487766/2-A	Method Blank	Total/NA	Water	365.1	
LCS 410-487766/1-A	Lab Control Sample	Total/NA	Water	365.1	
410-164178-2 MS	MW-13-W-240313	Total/NA	Water	365.1	
410-164178-2 DU	MW-13-W-240313	Total/NA	Water	365.1	

Analysis Batch: 488332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164178-1	MW-24-W-240313	Total/NA	Water	365.1	487766
410-164178-2	MW-13-W-240313	Total/NA	Water	365.1	487766
MB 410-487766/2-A	Method Blank	Total/NA	Water	365.1	487766
LCS 410-487766/1-A	Lab Control Sample	Total/NA	Water	365.1	487766
410-164178-2 MS	MW-13-W-240313	Total/NA	Water	365.1	487766
410-164178-2 DU	MW-13-W-240313	Total/NA	Water	365.1	487766

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-24-W-240313

Lab Sample ID: 410-164178-1

Date Collected: 03/13/24 14:15

Matrix: Water

Date Received: 03/15/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487018	TQ4J	ELLE	03/26/24 14:47
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	485045	UAMZ	ELLE	03/20/24 09:40
Total/NA	Analysis	EPA 300.0 R2.1		5	485001	W7FX	ELLE	03/20/24 19:38
Dissolved	Prep	Non-Digest Prep			484116	NU9R	ELLE	03/19/24 12:30
Dissolved	Analysis	6020B		1	485012	UCIG	ELLE	03/19/24 19:15
Total Recoverable	Prep	3005A			484647	NU9R	ELLE	03/19/24 07:55
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 08:26
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 03:19
Total/NA	Analysis	353.2		1	484016	Q3HN	ELLE	03/16/24 07:34
Total/NA	Analysis	353.2		1	484250	UKJF	ELLE	03/18/24 09:44
Total/NA	Prep	365.1			487766	UJE2	ELLE	03/27/24 16:00 - 03/27/24 16:30 ¹
Total/NA	Analysis	365.1		1	488332	JCG7	ELLE	03/28/24 18:44
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 15:07
Total/NA	Analysis	EPA 350.1		1	486830	JCG7	ELLE	03/25/24 14:31

Client Sample ID: MW-13-W-240313

Lab Sample ID: 410-164178-2

Date Collected: 03/13/24 15:25

Matrix: Water

Date Received: 03/15/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487018	TQ4J	ELLE	03/26/24 15:09
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	485045	UAMZ	ELLE	03/20/24 10:14
Total/NA	Analysis	EPA 300.0 R2.1		20	485327	W7FX	ELLE	03/21/24 03:54
Dissolved	Prep	Non-Digest Prep			484116	NU9R	ELLE	03/19/24 12:30
Dissolved	Analysis	6020B		1	485012	UCIG	ELLE	03/19/24 19:21
Total Recoverable	Prep	3005A			484647	NU9R	ELLE	03/19/24 07:55
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 08:24
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 03:33
Total/NA	Analysis	353.2		1	484016	Q3HN	ELLE	03/16/24 07:34
Total/NA	Analysis	353.2		1	484250	UKJF	ELLE	03/18/24 09:44
Total/NA	Prep	365.1			487766	UJE2	ELLE	03/27/24 16:00 - 03/27/24 16:30 ¹
Total/NA	Analysis	365.1		1	488332	JCG7	ELLE	03/28/24 18:43
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 15:02
Total/NA	Analysis	EPA 350.1		1	486830	JCG7	ELLE	03/25/24 14:33

Client Sample ID: TB-1-W-240314

Lab Sample ID: 410-164178-3

Date Collected: 03/14/24 00:00

Matrix: Water

Date Received: 03/15/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	486596	DVW2	ELLE	03/25/24 12:46

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-12R-W-240314

Lab Sample ID: 410-164178-4

Date Collected: 03/14/24 08:30

Matrix: Water

Date Received: 03/15/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	487018	TQ4J	ELLE	03/26/24 15:32
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	485045	UAMZ	ELLE	03/20/24 10:48
Total/NA	Prep	8151A	DL		484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A	DL	20	485045	UAMZ	ELLE	03/20/24 21:36
Total/NA	Analysis	EPA 300.0 R2.1		20	485327	W7FX	ELLE	03/21/24 04:06
Dissolved	Prep	Non-Digest Prep			484115	NU9R	ELLE	03/19/24 12:30
Dissolved	Analysis	6020B		1	485013	UCIG	ELLE	03/19/24 20:28
Total Recoverable	Prep	3005A			484647	NU9R	ELLE	03/19/24 07:55
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 08:20
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 03:13
Total/NA	Analysis	353.2		1	484016	Q3HN	ELLE	03/16/24 07:35
Total/NA	Analysis	353.2		1	484250	UKJF	ELLE	03/18/24 09:44
Total/NA	Prep	365.1			486244	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:09
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 15:12
Total/NA	Analysis	EPA 350.1		200	486830	JCG7	ELLE	03/25/24 14:50

Client Sample ID: MW-3-W-240314

Lab Sample ID: 410-164178-5

Date Collected: 03/14/24 09:15

Matrix: Water

Date Received: 03/15/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487018	TQ4J	ELLE	03/26/24 16:17
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	485045	UAMZ	ELLE	03/20/24 11:23
Total/NA	Analysis	EPA 300.0 R2.1		20	485327	W7FX	ELLE	03/21/24 04:18
Dissolved	Prep	Non-Digest Prep			484116	NU9R	ELLE	03/19/24 12:30
Dissolved	Analysis	6020B		1	485012	UCIG	ELLE	03/19/24 19:19
Total Recoverable	Prep	3005A			484647	NU9R	ELLE	03/19/24 07:55
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 08:18
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 02:46
Total/NA	Analysis	353.2		1	484016	Q3HN	ELLE	03/16/24 07:35
Total/NA	Analysis	353.2		1	484250	UKJF	ELLE	03/18/24 09:44
Total/NA	Prep	365.1			486244	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:12
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 15:17
Total/NA	Analysis	EPA 350.1		200	486830	JCG7	ELLE	03/25/24 14:52

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Client Sample ID: MW-16-W-240314

Lab Sample ID: 410-164178-6

Date Collected: 03/14/24 10:45

Matrix: Water

Date Received: 03/15/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487018	TQ4J	ELLE	03/26/24 16:39
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	485045	UAMZ	ELLE	03/20/24 11:57
Total/NA	Prep	8151A	DL		484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A	DL	5	485500	UAMZ	ELLE	03/21/24 05:25
Total/NA	Analysis	EPA 300.0 R2.1		20	485323	W7FX	ELLE	03/21/24 00:14
Dissolved	Prep	Non-Digest Prep			484115	NU9R	ELLE	03/19/24 12:30
Dissolved	Analysis	6020B		1	485013	UCIG	ELLE	03/19/24 20:56
Total Recoverable	Prep	3005A			484552	UAMX	ELLE	03/18/24 21:30
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 09:38
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 03:04
Total/NA	Analysis	353.2		1	484016	Q3HN	ELLE	03/16/24 07:35
Total/NA	Analysis	353.2		1	484250	UKJF	ELLE	03/18/24 09:44
Total/NA	Prep	365.1			486244	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:12
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 15:22
Total/NA	Analysis	EPA 350.1		1	486830	JCG7	ELLE	03/25/24 14:35

Client Sample ID: WB-1-W-240314

Lab Sample ID: 410-164178-7

Date Collected: 03/14/24 11:15

Matrix: Water

Date Received: 03/15/24 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487018	TQ4J	ELLE	03/26/24 17:02
Total/NA	Prep	8151A			484447	QJZ6	ELLE	03/18/24 15:55
Total/NA	Analysis	8151A		1	485045	UAMZ	ELLE	03/20/24 12:31
Total/NA	Analysis	EPA 300.0 R2.1		5	485323	W7FX	ELLE	03/21/24 00:27
Dissolved	Prep	Non-Digest Prep			484115	NU9R	ELLE	03/19/24 12:30
Dissolved	Analysis	6020B		1	485013	UCIG	ELLE	03/19/24 20:54
Total Recoverable	Prep	3005A			484552	UAMX	ELLE	03/18/24 21:30
Total Recoverable	Analysis	6020B		1	486708	F7JF	ELLE	03/25/24 09:52
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 03:26
Total/NA	Analysis	353.2		1	484016	Q3HN	ELLE	03/16/24 07:35
Total/NA	Analysis	353.2		1	484250	UKJF	ELLE	03/18/24 09:44
Total/NA	Prep	365.1			486244	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:11
Total/NA	Analysis	5210 B-2016		1	485274	B6LN	ELLE	03/15/24 15:27
Total/NA	Analysis	EPA 350.1		1	486830	JCG7	ELLE	03/25/24 14:38

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Eurofins Lancaster Laboratories Environment Testing, LLC

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C457	04-11-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	2-Methylnaphthalene
8260D		Water	Ethyl ether

Method Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8151A	Herbicides (GC)	SW846	ELLE
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
2320B-2011	Alkalinity, Total	SM	ELLE
353.2	Nitrate by Calculation	EPA	ELLE
353.2	Nitrogen, Nitrite	EPA	ELLE
365.1	Phosphorus, Total	EPA	ELLE
5210 B-2016	BOD, 5-Day	SM	ELLE
EPA 350.1	Nitrogen, Ammonia	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
365.1	Sample Digestion for Total Phosphorus	MCAWW	ELLE
5030C	Purge and Trap	SW846	ELLE
8151A	Extraction (Herbicides)	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

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

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164178-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-164178-1	MW-24-W-240313	Water	03/13/24 14:15	03/15/24 12:00
410-164178-2	MW-13-W-240313	Water	03/13/24 15:25	03/15/24 12:00
410-164178-3	TB-1-W-240314	Water	03/14/24 00:00	03/15/24 12:00
410-164178-4	MW-12R-W-240314	Water	03/14/24 08:30	03/15/24 12:00
410-164178-5	MW-3-W-240314	Water	03/14/24 09:15	03/15/24 12:00
410-164178-6	MW-16-W-240314	Water	03/14/24 10:45	03/15/24 12:00
410-164178-7	WB-1-W-240314	Water	03/14/24 11:15	03/15/24 12:00



Thwest Region Analysis Request/Chain of Custody

Acct. # _____ Group # _____ Sample # _____
Instructions on reverse side correspond with circled numbers.

[illegible]

7051 0913

The white copy should accompany samples to Eurofins Lancaster Laboratories Environmental. The yellow copy should be given to the SeaTac Courier. The pink copy should be retained by the client.

3/28/2024

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-164178-1

Login Number: 164178

List Number: 1

Creator: Miller, Wesley R

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	Container preservation not listed on COC.
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

ANALYTICAL REPORT

PREPARED FOR

Attn: Marisa Kaffenberger
Stantec Consulting Corporation
2321 Club Meridian Drive
Suite E
Okemos, Michigan 48864

Generated 3/29/2024 12:28:25 AM

JOB DESCRIPTION

Bee Jay Scales

JOB NUMBER

410-164256-1

Eurofins Lancaster Laboratories Environment Testing, LLC

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.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Authorized for release by
Amek Carter, Project Manager
Loran.Carter@et.eurofinsus.com
(717)556-7252

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Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
 - Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
 - Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
- Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
S1-	Surrogate recovery exceeds control limits, low biased.

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.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Glossary (Continued)

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

Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-164256-1

Job ID: 410-164256-1

Eurofins Lancaster Laboratories Environment

Job Narrative 410-164256-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt

The samples were received on 3/16/2024 9:40 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 3.0°C, 3.7°C and 4.1°C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received. The COC is missing Sample Preservation. This does not meet regulatory requirements.

GC/MS VOA

Method 8260D: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following samples were received preserved with hydrochloric acid: MW-22-W-240314 (410-164256-1), MW-4R-W-240314 (410-164256-6) and TB-1-W-240315 (410-164256-7). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

Method 8260D: The initial calibration verification (ICV) result for batch 410-487018 was outside acceptance criteria, low biased for Ethyl ether. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-487991 recovered above the upper control limit for Trichlorofluoromethane. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The continuing calibration verification (CCV) associated with batch 410-487991 recovered outside acceptance criteria, low biased, for 2-Butanone and trans-1,4-Dichloro-2-butene. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The preservative used in the sample containers provided is not compatible with the Method 8260 analytes requested. The following sample was received preserved with hydrochloric acid: MW-5R-W-240314 (410-164256-2). The requested target analyte list includes Acrylonitrile, acid-labile compounds that degrade in an acidic medium.

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

Herbicides

Method 8151A: Surrogate recovery for the following sample was outside control limits: MW-4R-W-240314 (410-164256-6). Re-extraction and/or re-analysis was performed and surrogate recovery was outside control limits.

Method 8151A: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 410-485876 and analytical batch 410-486046 recovered outside control limits for multiple analytes. The associated sample(s) was re-prepared and/or re-analyzed outside holding time and the LCS is within limits. Results are reported from the initial trial. MW-22-W-240314 (410-164256-1), MW-5R-W-240314 (410-164256-2) and MW-4R-W-240314 (410-164256-6)

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

HPLC/IC

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

Metals

Eurofins Lancaster Laboratories Environment Testing, LLC

Case Narrative

Client: Stantec Consulting Corporation
Project: Bee Jay Scales

Job ID: 410-164256-1

Job ID: 410-164256-1 (Continued)

Eurofins Lancaster Laboratories Environment

Method 6020B - Total Recoverable: The method blank for 410-485996 contained Manganese above the method detection limit (MDL) at a concentration of 0.0012 mg/L. Associated sample(s) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

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

General Chemistry

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

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-22-W-240314

Lab Sample ID: 410-164256-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	160		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.0028		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.087		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	2.4	B cn	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	300		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	300		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	21		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	1.5	F1	0.25	0.075	mg/L	5		353.2	Total/NA

Client Sample ID: MW-5R-W-240314

Lab Sample ID: 410-164256-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2,4-D (2C)	0.63	*- *1 cn	0.57	0.24	ug/L	1		8151A	Total/NA
Sulfate	530		75	25	mg/L	50		EPA 300.0 R2.1	Total/NA
Arsenic	0.0082		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.35		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	3.4		0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Iron	0.39		0.052	0.021	mg/L	1		6020B	Dissolved
Bicarbonate Alkalinity as CaCO3	980		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	980		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	3.2		0.10	0.040	mg/L	1		353.2	Total/NA
Nitrite as N	1.5		0.25	0.075	mg/L	5		353.2	Total/NA
Total Phosphorus as P	0.071	J F1	0.10	0.050	mg/L	1		365.1	Total/NA
Biochemical Oxygen Demand	6.1		2.0	2.0	mg/L	1		5210 B-2016	Total/NA
Ammonia as N	2.5		0.50	0.25	mg/L	5		EPA 350.1	Total/NA

Client Sample ID: EB-1-W-240314

Lab Sample ID: 410-164256-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	0.56	J	1.5	0.50	mg/L	1		EPA 300.0 R2.1	Total/NA

Client Sample ID: MW-8-W-240314

Lab Sample ID: 410-164256-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	150		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.011		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.090		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.61	B cn	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	270		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	270		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	46		0.10	0.040	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.13		0.10	0.050	mg/L	1		365.1	Total/NA
Ammonia as N	0.53		0.10	0.050	mg/L	1		EPA 350.1	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-8-WD-240314

Lab Sample ID: 410-164256-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	160		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.012		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.10		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.64	B cn	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	270		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	270		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	47		0.10	0.040	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.12		0.10	0.050	mg/L	1		365.1	Total/NA
Ammonia as N	0.55		0.10	0.050	mg/L	1		EPA 350.1	Total/NA

Client Sample ID: MW-4R-W-240314

Lab Sample ID: 410-164256-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichloropropane	1.9	J	5.0	0.30	ug/L	1		8260D	Total/NA
1,2-Dichloropropane	4.9		1.0	0.30	ug/L	1		8260D	Total/NA
Chlorobenzene	0.35	J	1.0	0.30	ug/L	1		8260D	Total/NA
Dinoseb (2C)	7.7	*1 cn	0.67	0.31	ug/L	1		8151A	Total/NA
Pentachlorophenol (2C)	0.057	J cn	0.078	0.030	ug/L	1		8151A	Total/NA
Sulfate	200		30	10	mg/L	20		EPA 300.0 R2.1	Total/NA
Arsenic	0.016		0.0020	0.00068	mg/L	1		6020B	Total Recoverable
Iron	0.066		0.050	0.020	mg/L	1		6020B	Total Recoverable
Manganese	0.34	B cn	0.0020	0.00095	mg/L	1		6020B	Total Recoverable
Bicarbonate Alkalinity as CaCO3	510		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Total Alkalinity as CaCO3 to pH 4.5	510		8.0	2.6	mg/L	1		2320B-2011	Total/NA
Nitrate as N	100		0.10	0.040	mg/L	1		353.2	Total/NA
Total Phosphorus as P	0.31		0.10	0.050	mg/L	1		365.1	Total/NA
Ammonia as N	210		20	10	mg/L	200		EPA 350.1	Total/NA

Client Sample ID: TB-1-W-240315

Lab Sample ID: 410-164256-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-22-W-240314

Lab Sample ID: 410-164256-1

Date Collected: 03/14/24 12:40

Matrix: Water

Date Received: 03/16/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 18:54	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 18:54	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/26/24 18:54	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 18:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 18:54	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 18:54	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 18:54	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 18:54	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 18:54	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 18:54	1
2-Methylnaphthalene	ND	*+	5.0	2.0	ug/L			03/26/24 18:54	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 18:54	1
Acetone	ND		20	0.70	ug/L			03/26/24 18:54	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/26/24 18:54	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 18:54	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 18:54	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 18:54	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 18:54	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 18:54	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 18:54	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 18:54	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 18:54	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/26/24 18:54	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 18:54	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 18:54	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 18:54	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 18:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-22-W-240314

Lab Sample ID: 410-164256-1

Date Collected: 03/14/24 12:40

Matrix: Water

Date Received: 03/16/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 18:54	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 18:54	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 18:54	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 18:54	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 18:54	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 18:54	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 18:54	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 18:54	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		03/26/24 18:54	1
4-Bromofluorobenzene (Surr)	98		80 - 120		03/26/24 18:54	1
Dibromofluoromethane (Surr)	102		80 - 120		03/26/24 18:54	1
Toluene-d8 (Surr)	101		80 - 120		03/26/24 18:54	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND	*- *1 cn	0.14	0.063	ug/L		03/21/24 15:42	03/22/24 11:15	1
Silvex (2,4,5-TP) (1C)	ND	*- *1 cn	0.048	0.021	ug/L		03/21/24 15:42	03/22/24 11:15	1
2,4-D (1C)	ND	*- *1 cn	0.58	0.24	ug/L		03/21/24 15:42	03/22/24 11:15	1
2,4-DB (1C)	ND	*1 cn	1.4	0.61	ug/L		03/21/24 15:42	03/22/24 11:15	1
Dichlorprop (1C)	ND	*- *1 cn	0.48	0.15	ug/L		03/21/24 15:42	03/22/24 11:15	1
Dalapon (1C)	ND	*1 cn	12	5.5	ug/L		03/21/24 15:42	03/22/24 11:15	1
Dicamba (1C)	ND	*- *1 cn	0.53	0.26	ug/L		03/21/24 15:42	03/22/24 11:15	1
Dinoseb (1C)	ND	cn	0.58	0.27	ug/L		03/21/24 15:42	03/22/24 11:15	1
MCPD (2C)	ND	*- *1 cn	190	48	ug/L		03/21/24 15:42	03/22/24 11:15	1
MCPA (1C)	ND	*1 cn	190	48	ug/L		03/21/24 15:42	03/22/24 11:15	1
Pentachlorophenol (1C)	ND	*- cn	0.067	0.026	ug/L		03/21/24 15:42	03/22/24 11:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	58	cn	34 - 142	03/21/24 15:42	03/22/24 11:15	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	52	cn	34 - 142	03/21/24 15:42	03/22/24 11:15	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	160		30	10	mg/L			03/23/24 03:03	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0028		0.0020	0.00068	mg/L		03/20/24 08:15	03/21/24 20:28	1
Iron	0.087		0.050	0.020	mg/L		03/20/24 08:15	03/21/24 20:28	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-22-W-240314

Lab Sample ID: 410-164256-1

Date Collected: 03/14/24 12:40

Matrix: Water

Date Received: 03/16/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	2.4	B cn	0.0020	0.00095	mg/L		03/20/24 08:15	03/21/24 20:28	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/20/24 10:00	03/21/24 18:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:39	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:39	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	300		8.0	2.6	mg/L			03/20/24 00:39	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	300		8.0	2.6	mg/L			03/20/24 00:39	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:39	1
Nitrate as N (EPA 353.2)	21		0.10	0.040	mg/L			03/18/24 10:11	1
Nitrite as N (EPA 353.2)	1.5	F1	0.25	0.075	mg/L			03/16/24 13:39	5
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:03	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/16/24 14:58	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			03/25/24 14:40	1

Client Sample ID: MW-5R-W-240314

Lab Sample ID: 410-164256-2

Date Collected: 03/14/24 14:30

Matrix: Water

Date Received: 03/16/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/28/24 13:21	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/28/24 13:21	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/28/24 13:21	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/28/24 13:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/28/24 13:21	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/28/24 13:21	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/28/24 13:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/28/24 13:21	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
2-Butanone	ND	cn	10	0.50	ug/L			03/28/24 13:21	1
2-Hexanone	ND		10	0.85	ug/L			03/28/24 13:21	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			03/28/24 13:21	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/28/24 13:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-5R-W-240314

Lab Sample ID: 410-164256-2

Date Collected: 03/14/24 14:30

Matrix: Water

Date Received: 03/16/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	0.70	ug/L			03/28/24 13:21	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/28/24 13:21	1
Benzene	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Bromobenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/28/24 13:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/28/24 13:21	1
Bromoform	ND		4.0	1.0	ug/L			03/28/24 13:21	1
Bromomethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/28/24 13:21	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Chloroethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Chloroform	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Chloromethane	ND		2.0	0.55	ug/L			03/28/24 13:21	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/28/24 13:21	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/28/24 13:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/28/24 13:21	1
Dibromomethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Ethyl ether	ND		5.0	0.30	ug/L			03/28/24 13:21	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/28/24 13:21	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/28/24 13:21	1
Methyl iodide	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/28/24 13:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Naphthalene	ND		5.0	1.0	ug/L			03/28/24 13:21	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
o-Xylene	ND		1.0	0.40	ug/L			03/28/24 13:21	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
Styrene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/28/24 13:21	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/28/24 13:21	1
Toluene	ND		1.0	0.30	ug/L			03/28/24 13:21	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/28/24 13:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/28/24 13:21	1
trans-1,4-Dichloro-2-butene	ND	cn	50	6.0	ug/L			03/28/24 13:21	1
Trichloroethene	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Trichlorofluoromethane	ND	cn	1.0	0.30	ug/L			03/28/24 13:21	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/28/24 13:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					03/28/24 13:21	1
4-Bromofluorobenzene (Surr)	98		80 - 120					03/28/24 13:21	1
Dibromofluoromethane (Surr)	104		80 - 120					03/28/24 13:21	1
Toluene-d8 (Surr)	100		80 - 120					03/28/24 13:21	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-5R-W-240314

Lab Sample ID: 410-164256-2

Date Collected: 03/14/24 14:30

Matrix: Water

Date Received: 03/16/24 09:40

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND	*- *1 cn	0.14	0.062	ug/L		03/21/24 15:42	03/22/24 11:49	1
Silvex (2,4,5-TP) (1C)	ND	*- *1 cn	0.048	0.021	ug/L		03/21/24 15:42	03/22/24 11:49	1
2,4-D (2C)	0.63	*- *1 cn	0.57	0.24	ug/L		03/21/24 15:42	03/22/24 11:49	1
2,4-DB (1C)	ND	*1 cn	1.4	0.60	ug/L		03/21/24 15:42	03/22/24 11:49	1
Dichlorprop (1C)	ND	*- *1 cn	0.48	0.15	ug/L		03/21/24 15:42	03/22/24 11:49	1
Dalapon (1C)	ND	*1 cn	12	5.4	ug/L		03/21/24 15:42	03/22/24 11:49	1
Dicamba (1C)	ND	*- *1 cn	0.53	0.26	ug/L		03/21/24 15:42	03/22/24 11:49	1
Dinoseb (1C)	ND	cn	0.57	0.27	ug/L		03/21/24 15:42	03/22/24 11:49	1
MCPD (1C)	ND	*1 cn	190	48	ug/L		03/21/24 15:42	03/22/24 11:49	1
MCPA (1C)	ND	*1 cn	190	48	ug/L		03/21/24 15:42	03/22/24 11:49	1
Pentachlorophenol (1C)	ND	*- cn	0.067	0.026	ug/L		03/21/24 15:42	03/22/24 11:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	73	cn	34 - 142	03/21/24 15:42	03/22/24 11:49	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	67	cn	34 - 142	03/21/24 15:42	03/22/24 11:49	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	530		75	25	mg/L			03/23/24 02:25	50

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0082		0.0020	0.00068	mg/L		03/21/24 22:00	03/22/24 12:20	1
Iron	0.35		0.050	0.020	mg/L		03/21/24 22:00	03/22/24 12:20	1
Manganese	3.4		0.0020	0.00095	mg/L		03/21/24 22:00	03/22/24 12:20	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.39		0.052	0.021	mg/L		03/21/24 08:00	03/27/24 16:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	980		8.0	2.6	mg/L			03/20/24 00:31	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	980		8.0	2.6	mg/L			03/20/24 00:31	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:31	1
Nitrate as N (EPA 353.2)	3.2		0.10	0.040	mg/L			03/18/24 10:11	1
Nitrite as N (EPA 353.2)	1.5		0.25	0.075	mg/L			03/16/24 13:40	5
Total Phosphorus as P (EPA 365.1)	0.071	J F1	0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:03	1
Biochemical Oxygen Demand (SM 5210 B-2016)	6.1		2.0	2.0	mg/L			03/16/24 15:03	1
Ammonia as N (EPA 350.1)	2.5		0.50	0.25	mg/L			03/25/24 14:44	5

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: EB-1-W-240314

Lab Sample ID: 410-164256-3

Date Collected: 03/14/24 14:40

Matrix: Water

Date Received: 03/16/24 09:40

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	0.56	J	1.5	0.50	mg/L			03/22/24 23:51	1

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/20/24 08:15	03/21/24 20:30	1
Iron	ND		0.050	0.020	mg/L		03/20/24 08:15	03/21/24 20:30	1
Manganese	ND		0.0020	0.00095	mg/L		03/20/24 08:15	03/25/24 09:48	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/20/24 10:00	03/21/24 18:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/19/24 23:06	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/19/24 23:06	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/19/24 23:06	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/19/24 23:06	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/19/24 23:06	1
Nitrate as N (EPA 353.2)	ND		0.10	0.040	mg/L			03/18/24 10:11	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/16/24 13:24	1
Total Phosphorus as P (EPA 365.1)	ND		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:04	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/16/24 15:08	1
Ammonia as N (EPA 350.1)	ND		0.10	0.050	mg/L			03/25/24 14:42	1

Client Sample ID: MW-8-W-240314

Lab Sample ID: 410-164256-4

Date Collected: 03/14/24 15:10

Matrix: Water

Date Received: 03/16/24 09:40

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	150		30	10	mg/L			03/23/24 03:15	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011		0.0020	0.00068	mg/L		03/20/24 08:15	03/21/24 20:34	1
Iron	0.090		0.050	0.020	mg/L		03/20/24 08:15	03/21/24 20:34	1
Manganese	0.61	B cn	0.0020	0.00095	mg/L		03/20/24 08:15	03/21/24 20:34	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/20/24 10:00	03/21/24 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:45	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:45	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-8-W-240314

Lab Sample ID: 410-164256-4

Date Collected: 03/14/24 15:10

Matrix: Water

Date Received: 03/16/24 09:40

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	270		8.0	2.6	mg/L			03/20/24 00:45	1
Total Alkalinity as CaCO ₃ to pH 4.5 (SM 2320B-2011)	270		8.0	2.6	mg/L			03/20/24 00:45	1
Phenolphthalein Alkalinity as CaCO ₃ to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:45	1
Nitrate as N (EPA 353.2)	46		0.10	0.040	mg/L			03/18/24 10:11	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/16/24 13:24	1
Total Phosphorus as P (EPA 365.1)	0.13		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:03	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/16/24 15:22	1
Ammonia as N (EPA 350.1)	0.53		0.10	0.050	mg/L			03/25/24 14:52	1

Client Sample ID: MW-8-WD-240314

Lab Sample ID: 410-164256-5

Date Collected: 03/14/24 15:15

Matrix: Water

Date Received: 03/16/24 09:40

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	160		30	10	mg/L			03/23/24 03:28	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.012		0.0020	0.00068	mg/L		03/20/24 08:15	03/21/24 20:32	1
Iron	0.10		0.050	0.020	mg/L		03/20/24 08:15	03/21/24 20:32	1
Manganese	0.64	B cn	0.0020	0.00095	mg/L		03/20/24 08:15	03/21/24 20:32	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/20/24 10:00	03/21/24 18:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:04	1
Carbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:04	1
Bicarbonate Alkalinity as CaCO ₃ (SM 2320B-2011)	270		8.0	2.6	mg/L			03/20/24 00:04	1
Total Alkalinity as CaCO ₃ to pH 4.5 (SM 2320B-2011)	270		8.0	2.6	mg/L			03/20/24 00:04	1
Phenolphthalein Alkalinity as CaCO ₃ to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:04	1
Nitrate as N (EPA 353.2)	47		0.10	0.040	mg/L			03/18/24 10:11	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/16/24 13:24	1
Total Phosphorus as P (EPA 365.1)	0.12		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:03	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/16/24 15:27	1
Ammonia as N (EPA 350.1)	0.55		0.10	0.050	mg/L			03/25/24 14:54	1

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-4R-W-240314

Lab Sample ID: 410-164256-6

Date Collected: 03/14/24 15:45

Matrix: Water

Date Received: 03/16/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 19:39	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 19:39	1
1,2,3-Trichloropropane	1.9	J	5.0	0.30	ug/L			03/26/24 19:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 19:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 19:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 19:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 19:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
1,2-Dichloropropane	4.9		1.0	0.30	ug/L			03/26/24 19:39	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 19:39	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 19:39	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 19:39	1
2-Methylnaphthalene	ND	*+	5.0	2.0	ug/L			03/26/24 19:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 19:39	1
Acetone	ND		20	0.70	ug/L			03/26/24 19:39	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/26/24 19:39	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 19:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 19:39	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 19:39	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 19:39	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Chlorobenzene	0.35	J	1.0	0.30	ug/L			03/26/24 19:39	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 19:39	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 19:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 19:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 19:39	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/26/24 19:39	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 19:39	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 19:39	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 19:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 19:39	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-4R-W-240314

Lab Sample ID: 410-164256-6

Date Collected: 03/14/24 15:45

Matrix: Water

Date Received: 03/16/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 19:39	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 19:39	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 19:39	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 19:39	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 19:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 19:39	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 19:39	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 19:39	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		03/26/24 19:39	1
4-Bromofluorobenzene (Surr)	98		80 - 120		03/26/24 19:39	1
Dibromofluoromethane (Surr)	103		80 - 120		03/26/24 19:39	1
Toluene-d8 (Surr)	102		80 - 120		03/26/24 19:39	1

Method: SW846 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND	*- *1 cn	0.17	0.073	ug/L		03/21/24 15:42	03/22/24 12:23	1
Silvex (2,4,5-TP) (1C)	ND	*- *1 cn	0.056	0.025	ug/L		03/21/24 15:42	03/22/24 12:23	1
2,4-D (1C)	ND	*- *1 cn	0.67	0.28	ug/L		03/21/24 15:42	03/22/24 12:23	1
2,4-DB (1C)	ND	*1 cn	1.7	0.70	ug/L		03/21/24 15:42	03/22/24 12:23	1
Dichlorprop (1C)	ND	*- *1 cn	0.56	0.18	ug/L		03/21/24 15:42	03/22/24 12:23	1
Dalapon (1C)	ND	*1 cn	14	6.4	ug/L		03/21/24 15:42	03/22/24 12:23	1
Dicamba (1C)	ND	*- *1 cn	0.61	0.30	ug/L		03/21/24 15:42	03/22/24 12:23	1
Dinoseb (2C)	7.7	*1 cn	0.67	0.31	ug/L		03/21/24 15:42	03/22/24 12:23	1
MCPP (1C)	ND	*1 cn	220	56	ug/L		03/21/24 15:42	03/22/24 12:23	1
MCPA (1C)	ND	*1 cn	220	56	ug/L		03/21/24 15:42	03/22/24 12:23	1
Pentachlorophenol (2C)	0.057	J cn	0.078	0.030	ug/L		03/21/24 15:42	03/22/24 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	30	S1- cn	34 - 142	03/21/24 15:42	03/22/24 12:23	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	23	S1- cn	34 - 142	03/21/24 15:42	03/22/24 12:23	1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	200		30	10	mg/L			03/23/24 03:40	20

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016		0.0020	0.00068	mg/L		03/20/24 08:15	03/21/24 20:44	1
Iron	0.066		0.050	0.020	mg/L		03/20/24 08:15	03/21/24 20:44	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-4R-W-240314

Lab Sample ID: 410-164256-6

Date Collected: 03/14/24 15:45

Matrix: Water

Date Received: 03/16/24 09:40

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	0.34	B cn	0.0020	0.00095	mg/L		03/20/24 08:15	03/21/24 20:44	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/20/24 10:00	03/21/24 18:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hydroxide Alkalinity (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	510		8.0	2.6	mg/L			03/20/24 00:22	1
Total Alkalinity as CaCO3 to pH 4.5 (SM 2320B-2011)	510		8.0	2.6	mg/L			03/20/24 00:22	1
Phenolphthalein Alkalinity as CaCO3 to pH 8.3 (SM 2320B-2011)	ND		8.0	2.6	mg/L			03/20/24 00:22	1
Nitrate as N (EPA 353.2)	100		0.10	0.040	mg/L			03/18/24 10:11	1
Nitrite as N (EPA 353.2)	ND		0.050	0.015	mg/L			03/16/24 13:24	1
Total Phosphorus as P (EPA 365.1)	0.31		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 10:03	1
Biochemical Oxygen Demand (SM 5210 B-2016)	ND		2.0	2.0	mg/L			03/16/24 15:32	1
Ammonia as N (EPA 350.1)	210		20	10	mg/L			03/25/24 14:56	200

Client Sample ID: TB-1-W-240315

Lab Sample ID: 410-164256-7

Date Collected: 03/15/24 00:00

Matrix: Water

Date Received: 03/16/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 20:01	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 20:01	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/26/24 20:01	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 20:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 20:01	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 20:01	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 20:01	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 20:01	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 20:01	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 20:01	1
2-Methylnaphthalene	ND	*+	5.0	2.0	ug/L			03/26/24 20:01	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 20:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: TB-1-W-240315

Lab Sample ID: 410-164256-7

Date Collected: 03/15/24 00:00

Matrix: Water

Date Received: 03/16/24 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		20	0.70	ug/L			03/26/24 20:01	1
Acrylonitrile	ND	cn	20	1.6	ug/L			03/26/24 20:01	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 20:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 20:01	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 20:01	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 20:01	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 20:01	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 20:01	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 20:01	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 20:01	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Ethyl ether	ND	cn	5.0	0.30	ug/L			03/26/24 20:01	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 20:01	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 20:01	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 20:01	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 20:01	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 20:01	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 20:01	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 20:01	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 20:01	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 20:01	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 20:01	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 20:01	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120					03/26/24 20:01	1
4-Bromofluorobenzene (Surr)	98		80 - 120					03/26/24 20:01	1
Dibromofluoromethane (Surr)	104		80 - 120					03/26/24 20:01	1
Toluene-d8 (Surr)	101		80 - 120					03/26/24 20:01	1

Eurofins Lancaster Laboratories Environment Testing, LLC

Surrogate Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-120)	BFB (80-120)	DBFM (80-120)	TOL (80-120)
410-164256-1	MW-22-W-240314	103	98	102	101
410-164256-2	MW-5R-W-240314	100	98	104	100
410-164256-6	MW-4R-W-240314	104	98	103	102
410-164256-7	TB-1-W-240315	103	98	104	101
LCS 410-487018/4	Lab Control Sample	102	96	101	103
LCS 410-487991/4	Lab Control Sample	100	99	102	101
LCSD 410-487018/5	Lab Control Sample Dup	103	97	101	102
LCSD 410-487991/5	Lab Control Sample Dup	101	97	102	100
MB 410-487018/7	Method Blank	101	97	101	104
MB 410-487991/7	Method Blank	101	97	103	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8151A - Herbicides (GC)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (34-142)	DCPAA2 (34-142)
410-164256-1	MW-22-W-240314	58 cn	52 cn
410-164256-2	MW-5R-W-240314	73 cn	67 cn
410-164256-6	MW-4R-W-240314	30 S1- cn	23 S1- cn
LCS 410-485876/2-A	Lab Control Sample	74	71
LCSD 410-485876/3-A	Lab Control Sample Dup	45	40
MB 410-485876/1-A	Method Blank	47	43

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid (Surr)

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: MB 410-487018/7

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/26/24 11:54	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/26/24 11:54	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/26/24 11:54	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/26/24 11:54	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/26/24 11:54	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/26/24 11:54	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/26/24 11:54	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
2-Butanone	ND		10	0.50	ug/L			03/26/24 11:54	1
2-Hexanone	ND		10	0.85	ug/L			03/26/24 11:54	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			03/26/24 11:54	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/26/24 11:54	1
Acetone	ND		20	0.70	ug/L			03/26/24 11:54	1
Acrylonitrile	ND		20	1.6	ug/L			03/26/24 11:54	1
Benzene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Bromobenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/26/24 11:54	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/26/24 11:54	1
Bromoform	ND		4.0	1.0	ug/L			03/26/24 11:54	1
Bromomethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Chloroethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Chloroform	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Chloromethane	ND		2.0	0.55	ug/L			03/26/24 11:54	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 11:54	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/26/24 11:54	1
Dibromomethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Ethyl ether	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/26/24 11:54	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/26/24 11:54	1
Methyl iodide	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/26/24 11:54	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/26/24 11:54	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: MB 410-487018/7

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		5.0	1.0	ug/L			03/26/24 11:54	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
o-Xylene	ND		1.0	0.40	ug/L			03/26/24 11:54	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Styrene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/26/24 11:54	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/26/24 11:54	1
Toluene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/26/24 11:54	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/26/24 11:54	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/26/24 11:54	1
Trichloroethene	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/26/24 11:54	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/26/24 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		03/26/24 11:54	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/26/24 11:54	1
Dibromofluoromethane (Surr)	101		80 - 120		03/26/24 11:54	1
Toluene-d8 (Surr)	104		80 - 120		03/26/24 11:54	1

Lab Sample ID: LCS 410-487018/4

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.0		ug/L		95	78 - 120
1,1,1-Trichloroethane	20.0	18.3		ug/L		91	67 - 126
1,1,2,2-Tetrachloroethane	20.0	19.8		ug/L		99	72 - 120
1,1,2-Trichloroethane	20.0	18.6		ug/L		93	80 - 120
1,1-Dichloroethane	20.0	19.5		ug/L		98	80 - 120
1,1-Dichloroethene	20.0	19.8		ug/L		99	80 - 131
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	66 - 120
1,2,3-Trichloropropane	20.0	19.0		ug/L		95	75 - 124
1,2,4-Trichlorobenzene	20.0	20.5		ug/L		102	63 - 120
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		96	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		88	47 - 131
1,2-Dibromoethane	20.0	18.3		ug/L		91	77 - 120
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	80 - 120
1,2-Dichloroethane	20.0	17.9		ug/L		89	73 - 124
1,2-Dichloropropane	20.0	18.3		ug/L		91	80 - 120
1,3,5-Trimethylbenzene	20.0	19.6		ug/L		98	75 - 120
1,3-Dichlorobenzene	20.0	18.5		ug/L		93	80 - 120
1,4-Dichlorobenzene	20.0	18.6		ug/L		93	80 - 120
2-Butanone	250	222		ug/L		89	59 - 135

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: LCS 410-487018/4

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Hexanone	250	229		ug/L		92	56 - 135
2-Methylnaphthalene	20.0	24.7	*+	ug/L		123	34 - 120
4-Methyl-2-pentanone	250	230		ug/L		92	62 - 133
Acetone	250	221		ug/L		89	54 - 157
Acrylonitrile	100	95.5		ug/L		95	60 - 129
Benzene	20.0	19.0		ug/L		95	80 - 120
Bromobenzene	20.0	18.6		ug/L		93	80 - 120
Bromochloromethane	20.0	19.1		ug/L		96	80 - 120
Bromodichloromethane	20.0	17.6		ug/L		88	71 - 120
Bromoform	20.0	16.7		ug/L		84	51 - 120
Bromomethane	20.0	17.1		ug/L		85	53 - 128
Carbon disulfide	20.0	18.3		ug/L		91	65 - 128
Carbon tetrachloride	20.0	17.8		ug/L		89	64 - 134
Chlorobenzene	20.0	18.7		ug/L		93	80 - 120
Chloroethane	20.0	18.7		ug/L		93	55 - 123
Chloroform	20.0	18.4		ug/L		92	80 - 120
Chloromethane	20.0	16.5		ug/L		82	56 - 121
cis-1,2-Dichloroethene	20.0	19.3		ug/L		97	80 - 125
cis-1,3-Dichloropropene	20.0	16.8		ug/L		84	75 - 120
Dibromochloromethane	20.0	18.1		ug/L		91	71 - 120
Dibromomethane	20.0	17.8		ug/L		89	80 - 120
Dichlorodifluoromethane	20.0	14.7		ug/L		73	41 - 127
Ethyl ether	20.0	19.8		ug/L		99	59 - 141
Ethylbenzene	20.0	18.7		ug/L		94	80 - 120
Isopropylbenzene	20.0	20.2		ug/L		101	80 - 120
m&p-Xylene	40.0	36.9		ug/L		92	80 - 120
Methyl iodide	20.0	18.6		ug/L		93	73 - 125
Methyl tertiary butyl ether	20.0	17.3		ug/L		87	69 - 122
Methylene Chloride	20.0	19.5		ug/L		97	80 - 120
Naphthalene	20.0	20.5		ug/L		103	53 - 124
n-Butylbenzene	20.0	18.9		ug/L		94	76 - 120
N-Propylbenzene	20.0	19.4		ug/L		97	79 - 121
o-Xylene	20.0	18.6		ug/L		93	80 - 120
p-Isopropyltoluene	20.0	19.0		ug/L		95	76 - 120
sec-Butylbenzene	20.0	19.7		ug/L		98	77 - 120
Styrene	20.0	17.8		ug/L		89	80 - 120
tert-Butylbenzene	20.0	19.5		ug/L		98	78 - 120
Tetrachloroethene	20.0	19.0		ug/L		95	80 - 120
Tetrahydrofuran	100	92.2		ug/L		92	54 - 144
Toluene	20.0	19.4		ug/L		97	80 - 120
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 126
trans-1,3-Dichloropropene	20.0	17.7		ug/L		88	67 - 120
trans-1,4-Dichloro-2-butene	100	76.6		ug/L		77	33 - 143
Trichloroethene	20.0	18.2		ug/L		91	80 - 120
Trichlorofluoromethane	20.0	15.5		ug/L		78	55 - 135
Vinyl chloride	20.0	16.1		ug/L		81	56 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: LCS 410-487018/4

Matrix: Water

Analysis Batch: 487018

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		80 - 120
4-Bromofluorobenzene (Surr)	96		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	103		80 - 120

Lab Sample ID: LCSD 410-487018/5

Matrix: Water

Analysis Batch: 487018

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
1,1,1,2-Tetrachloroethane	20.0	18.9		ug/L		94	78 - 120	1	30
1,1,1-Trichloroethane	20.0	18.6		ug/L		93	67 - 126	1	30
1,1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		98	72 - 120	1	30
1,1,2-Trichloroethane	20.0	19.1		ug/L		95	80 - 120	3	30
1,1-Dichloroethane	20.0	20.0		ug/L		100	80 - 120	3	30
1,1-Dichloroethene	20.0	20.2		ug/L		101	80 - 131	2	30
1,2,3-Trichlorobenzene	20.0	19.8		ug/L		99	66 - 120	6	30
1,2,3-Trichloropropane	20.0	18.9		ug/L		95	75 - 124	0	30
1,2,4-Trichlorobenzene	20.0	19.7		ug/L		99	63 - 120	4	30
1,2,4-Trimethylbenzene	20.0	19.3		ug/L		96	75 - 120	1	30
1,2-Dibromo-3-Chloropropane	20.0	16.9		ug/L		84	47 - 131	4	30
1,2-Dibromoethane	20.0	18.5		ug/L		92	77 - 120	1	30
1,2-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	2	30
1,2-Dichloroethane	20.0	18.3		ug/L		91	73 - 124	2	30
1,2-Dichloropropane	20.0	19.0		ug/L		95	80 - 120	4	30
1,3,5-Trimethylbenzene	20.0	19.7		ug/L		98	75 - 120	1	30
1,3-Dichlorobenzene	20.0	18.9		ug/L		94	80 - 120	2	30
1,4-Dichlorobenzene	20.0	19.2		ug/L		96	80 - 120	3	30
2-Butanone	250	225		ug/L		90	59 - 135	1	30
2-Hexanone	250	232		ug/L		93	56 - 135	1	30
2-Methylnaphthalene	20.0	21.5		ug/L		107	34 - 120	14	30
4-Methyl-2-pentanone	250	235		ug/L		94	62 - 133	2	30
Acetone	250	218		ug/L		87	54 - 157	2	30
Acrylonitrile	100	96.7		ug/L		97	60 - 129	1	30
Benzene	20.0	19.6		ug/L		98	80 - 120	3	30
Bromobenzene	20.0	18.8		ug/L		94	80 - 120	1	30
Bromochloromethane	20.0	19.6		ug/L		98	80 - 120	3	30
Bromodichloromethane	20.0	18.5		ug/L		92	71 - 120	5	30
Bromoform	20.0	17.2		ug/L		86	51 - 120	3	30
Bromomethane	20.0	17.7		ug/L		89	53 - 128	4	30
Carbon disulfide	20.0	18.7		ug/L		93	65 - 128	2	30
Carbon tetrachloride	20.0	18.1		ug/L		91	64 - 134	2	30
Chlorobenzene	20.0	19.0		ug/L		95	80 - 120	2	30
Chloroethane	20.0	19.3		ug/L		96	55 - 123	3	30
Chloroform	20.0	19.1		ug/L		96	80 - 120	4	30
Chloromethane	20.0	17.0		ug/L		85	56 - 121	3	30
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	80 - 125	2	30
cis-1,3-Dichloropropene	20.0	17.3		ug/L		86	75 - 120	3	30

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: LCSD 410-487018/5

Matrix: Water

Analysis Batch: 487018

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
Dibromochloromethane	20.0	18.3		ug/L		92	71 - 120	1	30
Dibromomethane	20.0	18.0		ug/L		90	80 - 120	1	30
Dichlorodifluoromethane	20.0	15.0		ug/L		75	41 - 127	2	30
Ethyl ether	20.0	20.0		ug/L		100	59 - 141	1	30
Ethylbenzene	20.0	19.2		ug/L		96	80 - 120	2	30
Isopropylbenzene	20.0	20.8		ug/L		104	80 - 120	3	30
m&p-Xylene	40.0	37.8		ug/L		94	80 - 120	2	30
Methyl iodide	20.0	19.0		ug/L		95	73 - 125	2	30
Methyl tertiary butyl ether	20.0	17.0		ug/L		85	69 - 122	2	30
Methylene Chloride	20.0	20.2		ug/L		101	80 - 120	3	30
Naphthalene	20.0	19.5		ug/L		98	53 - 124	5	30
n-Butylbenzene	20.0	18.8		ug/L		94	76 - 120	0	30
N-Propylbenzene	20.0	20.0		ug/L		100	79 - 121	3	30
o-Xylene	20.0	18.8		ug/L		94	80 - 120	1	30
p-Isopropyltoluene	20.0	18.9		ug/L		94	76 - 120	1	30
sec-Butylbenzene	20.0	19.4		ug/L		97	77 - 120	1	30
Styrene	20.0	18.5		ug/L		92	80 - 120	3	30
tert-Butylbenzene	20.0	19.3		ug/L		97	78 - 120	1	30
Tetrachloroethene	20.0	18.8		ug/L		94	80 - 120	1	30
Tetrahydrofuran	100	94.9		ug/L		95	54 - 144	3	30
Toluene	20.0	19.5		ug/L		97	80 - 120	0	30
trans-1,2-Dichloroethene	20.0	19.4		ug/L		97	80 - 126	0	30
trans-1,3-Dichloropropene	20.0	17.8		ug/L		89	67 - 120	1	30
trans-1,4-Dichloro-2-butene	100	75.9		ug/L		76	33 - 143	1	30
Trichloroethene	20.0	18.8		ug/L		94	80 - 120	3	30
Trichlorofluoromethane	20.0	16.4		ug/L		82	55 - 135	5	30
Vinyl chloride	20.0	16.5		ug/L		83	56 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	101		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: MB 410-487991/7

Matrix: Water

Analysis Batch: 487991

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
1,1,1,2,2-Tetrachloroethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
1,1,2-Trichloroethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
1,1-Dichloroethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
1,1-Dichloroethene	ND		1.0	0.30	ug/L			03/28/24 10:29	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			03/28/24 10:29	1
1,2,3-Trichloropropane	ND		5.0	0.30	ug/L			03/28/24 10:29	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: MB 410-487991/7

Matrix: Water

Analysis Batch: 487991

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	ND		5.0	1.0	ug/L			03/28/24 10:29	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			03/28/24 10:29	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			03/28/24 10:29	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			03/28/24 10:29	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
1,2-Dichloropropane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
1,3,5-Trimethylbenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
1,3-Dichlorobenzene	ND		5.0	0.68	ug/L			03/28/24 10:29	1
1,4-Dichlorobenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
2-Butanone	ND		10	0.50	ug/L			03/28/24 10:29	1
2-Hexanone	ND		10	0.85	ug/L			03/28/24 10:29	1
2-Methylnaphthalene	ND		5.0	2.0	ug/L			03/28/24 10:29	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			03/28/24 10:29	1
Acetone	ND		20	0.70	ug/L			03/28/24 10:29	1
Acrylonitrile	ND		20	1.6	ug/L			03/28/24 10:29	1
Benzene	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Bromobenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
Bromochloromethane	ND		5.0	0.20	ug/L			03/28/24 10:29	1
Bromodichloromethane	ND		1.0	0.20	ug/L			03/28/24 10:29	1
Bromoform	ND		4.0	1.0	ug/L			03/28/24 10:29	1
Bromomethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Carbon disulfide	ND		5.0	0.30	ug/L			03/28/24 10:29	1
Carbon tetrachloride	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Chlorobenzene	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Chloroethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Chloroform	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Chloromethane	ND		2.0	0.55	ug/L			03/28/24 10:29	1
cis-1,2-Dichloroethene	ND		1.0	0.30	ug/L			03/28/24 10:29	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/28/24 10:29	1
Dibromochloromethane	ND		1.0	0.20	ug/L			03/28/24 10:29	1
Dibromomethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Dichlorodifluoromethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Ethyl ether	ND		5.0	0.30	ug/L			03/28/24 10:29	1
Ethylbenzene	ND		1.0	0.40	ug/L			03/28/24 10:29	1
Isopropylbenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
m&p-Xylene	ND		5.0	2.0	ug/L			03/28/24 10:29	1
Methyl iodide	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			03/28/24 10:29	1
Methylene Chloride	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Naphthalene	ND		5.0	1.0	ug/L			03/28/24 10:29	1
n-Butylbenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
N-Propylbenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
o-Xylene	ND		1.0	0.40	ug/L			03/28/24 10:29	1
p-Isopropyltoluene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
sec-Butylbenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
Styrene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
tert-Butylbenzene	ND		5.0	0.30	ug/L			03/28/24 10:29	1
Tetrachloroethene	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Tetrahydrofuran	ND		10	1.6	ug/L			03/28/24 10:29	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: MB 410-487991/7

Matrix: Water

Analysis Batch: 487991

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.30	ug/L			03/28/24 10:29	1
trans-1,2-Dichloroethene	ND		2.0	0.70	ug/L			03/28/24 10:29	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			03/28/24 10:29	1
trans-1,4-Dichloro-2-butene	ND		50	6.0	ug/L			03/28/24 10:29	1
Trichloroethene	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Trichlorofluoromethane	ND		1.0	0.30	ug/L			03/28/24 10:29	1
Vinyl chloride	ND		1.0	0.30	ug/L			03/28/24 10:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		03/28/24 10:29	1
4-Bromofluorobenzene (Surr)	97		80 - 120		03/28/24 10:29	1
Dibromofluoromethane (Surr)	103		80 - 120		03/28/24 10:29	1
Toluene-d8 (Surr)	99		80 - 120		03/28/24 10:29	1

Lab Sample ID: LCS 410-487991/4

Matrix: Water

Analysis Batch: 487991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.0		ug/L		95	78 - 120
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	67 - 126
1,1,2,2-Tetrachloroethane	20.0	18.4		ug/L		92	72 - 120
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	80 - 120
1,1-Dichloroethane	20.0	20.2		ug/L		101	80 - 120
1,1-Dichloroethene	20.0	21.3		ug/L		107	80 - 131
1,2,3-Trichlorobenzene	20.0	20.2		ug/L		101	66 - 120
1,2,3-Trichloropropane	20.0	18.5		ug/L		93	75 - 124
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	63 - 120
1,2,4-Trimethylbenzene	20.0	19.1		ug/L		96	75 - 120
1,2-Dibromo-3-Chloropropane	20.0	16.5		ug/L		83	47 - 131
1,2-Dibromoethane	20.0	19.6		ug/L		98	77 - 120
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
1,2-Dichloroethane	20.0	20.4		ug/L		102	73 - 124
1,2-Dichloropropane	20.0	19.9		ug/L		100	80 - 120
1,3,5-Trimethylbenzene	20.0	19.6		ug/L		98	75 - 120
1,3-Dichlorobenzene	20.0	19.1		ug/L		96	80 - 120
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120
2-Butanone	250	219		ug/L		88	59 - 135
2-Hexanone	250	231		ug/L		92	56 - 135
2-Methylnaphthalene	20.0	21.5		ug/L		108	34 - 120
4-Methyl-2-pentanone	250	241		ug/L		97	62 - 133
Acetone	250	240		ug/L		96	54 - 157
Acrylonitrile	100	101		ug/L		101	60 - 129
Benzene	20.0	19.9		ug/L		100	80 - 120
Bromobenzene	20.0	19.5		ug/L		98	80 - 120
Bromochloromethane	20.0	20.9		ug/L		105	80 - 120
Bromodichloromethane	20.0	18.4		ug/L		92	71 - 120
Bromoform	20.0	15.1		ug/L		75	51 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: LCS 410-487991/4

Matrix: Water

Analysis Batch: 487991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Bromomethane	20.0	20.0		ug/L		100	53 - 128
Carbon disulfide	20.0	17.9		ug/L		90	65 - 128
Carbon tetrachloride	20.0	19.4		ug/L		97	64 - 134
Chlorobenzene	20.0	19.5		ug/L		97	80 - 120
Chloroethane	20.0	21.4		ug/L		107	55 - 123
Chloroform	20.0	16.7		ug/L		84	80 - 120
Chloromethane	20.0	20.0		ug/L		100	56 - 121
cis-1,2-Dichloroethene	20.0	20.1		ug/L		100	80 - 125
cis-1,3-Dichloropropene	20.0	17.0		ug/L		85	75 - 120
Dibromochloromethane	20.0	17.2		ug/L		86	71 - 120
Dibromomethane	20.0	19.6		ug/L		98	80 - 120
Dichlorodifluoromethane	20.0	19.9		ug/L		100	41 - 127
Ethyl ether	20.0	18.9		ug/L		94	59 - 141
Ethylbenzene	20.0	19.8		ug/L		99	80 - 120
Isopropylbenzene	20.0	21.1		ug/L		106	80 - 120
m&p-Xylene	40.0	38.6		ug/L		97	80 - 120
Methyl iodide	20.0	19.6		ug/L		98	73 - 125
Methyl tertiary butyl ether	20.0	18.6		ug/L		93	69 - 122
Methylene Chloride	20.0	20.5		ug/L		103	80 - 120
Naphthalene	20.0	19.6		ug/L		98	53 - 124
n-Butylbenzene	20.0	19.1		ug/L		96	76 - 120
N-Propylbenzene	20.0	20.2		ug/L		101	79 - 121
o-Xylene	20.0	19.3		ug/L		96	80 - 120
p-Isopropyltoluene	20.0	19.5		ug/L		97	76 - 120
sec-Butylbenzene	20.0	19.8		ug/L		99	77 - 120
Styrene	20.0	19.1		ug/L		96	80 - 120
tert-Butylbenzene	20.0	19.8		ug/L		99	78 - 120
Tetrachloroethene	20.0	20.2		ug/L		101	80 - 120
Tetrahydrofuran	100	92.4		ug/L		92	54 - 144
Toluene	20.0	19.7		ug/L		98	80 - 120
trans-1,2-Dichloroethene	20.0	20.2		ug/L		101	80 - 126
trans-1,3-Dichloropropene	20.0	17.3		ug/L		86	67 - 120
trans-1,4-Dichloro-2-butene	100	67.1		ug/L		67	33 - 143
Trichloroethene	20.0	20.0		ug/L		100	80 - 120
Trichlorofluoromethane	20.0	20.4		ug/L		102	55 - 135
Vinyl chloride	20.0	19.5		ug/L		97	56 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		80 - 120
4-Bromofluorobenzene (Surr)	99		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	101		80 - 120

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: LCSD 410-487991/5

Matrix: Water

Analysis Batch: 487991

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
1,1,1,2-Tetrachloroethane	20.0	19.0		ug/L		95	78 - 120	0	30
1,1,1-Trichloroethane	20.0	20.5		ug/L		102	67 - 126	1	30
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		91	72 - 120	1	30
1,1,2-Trichloroethane	20.0	19.3		ug/L		97	80 - 120	1	30
1,1-Dichloroethane	20.0	20.8		ug/L		104	80 - 120	3	30
1,1-Dichloroethene	20.0	21.7		ug/L		108	80 - 131	1	30
1,2,3-Trichlorobenzene	20.0	20.0		ug/L		100	66 - 120	1	30
1,2,3-Trichloropropane	20.0	18.6		ug/L		93	75 - 124	0	30
1,2,4-Trichlorobenzene	20.0	20.2		ug/L		101	63 - 120	1	30
1,2,4-Trimethylbenzene	20.0	19.4		ug/L		97	75 - 120	1	30
1,2-Dibromo-3-Chloropropane	20.0	16.0		ug/L		80	47 - 131	3	30
1,2-Dibromoethane	20.0	19.6		ug/L		98	77 - 120	0	30
1,2-Dichlorobenzene	20.0	19.1		ug/L		96	80 - 120	1	30
1,2-Dichloroethane	20.0	20.4		ug/L		102	73 - 124	0	30
1,2-Dichloropropane	20.0	20.1		ug/L		101	80 - 120	1	30
1,3,5-Trimethylbenzene	20.0	19.8		ug/L		99	75 - 120	1	30
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 120	2	30
1,4-Dichlorobenzene	20.0	18.9		ug/L		95	80 - 120	2	30
2-Butanone	250	223		ug/L		89	59 - 135	2	30
2-Hexanone	250	231		ug/L		92	56 - 135	0	30
2-Methylnaphthalene	20.0	20.6		ug/L		103	34 - 120	4	30
4-Methyl-2-pentanone	250	243		ug/L		97	62 - 133	1	30
Acetone	250	236		ug/L		94	54 - 157	2	30
Acrylonitrile	100	102		ug/L		102	60 - 129	2	30
Benzene	20.0	20.6		ug/L		103	80 - 120	3	30
Bromobenzene	20.0	19.2		ug/L		96	80 - 120	2	30
Bromochloromethane	20.0	21.5		ug/L		107	80 - 120	3	30
Bromodichloromethane	20.0	18.8		ug/L		94	71 - 120	2	30
Bromoform	20.0	15.1		ug/L		76	51 - 120	0	30
Bromomethane	20.0	20.2		ug/L		101	53 - 128	1	30
Carbon disulfide	20.0	18.0		ug/L		90	65 - 128	0	30
Carbon tetrachloride	20.0	20.0		ug/L		100	64 - 134	3	30
Chlorobenzene	20.0	19.8		ug/L		99	80 - 120	2	30
Chloroethane	20.0	21.8		ug/L		109	55 - 123	2	30
Chloroform	20.0	17.2		ug/L		86	80 - 120	3	30
Chloromethane	20.0	19.9		ug/L		99	56 - 121	1	30
cis-1,2-Dichloroethene	20.0	20.5		ug/L		103	80 - 125	2	30
cis-1,3-Dichloropropene	20.0	17.1		ug/L		85	75 - 120	0	30
Dibromochloromethane	20.0	17.5		ug/L		88	71 - 120	2	30
Dibromomethane	20.0	20.0		ug/L		100	80 - 120	2	30
Dichlorodifluoromethane	20.0	20.4		ug/L		102	41 - 127	2	30
Ethyl ether	20.0	18.7		ug/L		94	59 - 141	1	30
Ethylbenzene	20.0	20.0		ug/L		100	80 - 120	1	30
Isopropylbenzene	20.0	21.7		ug/L		108	80 - 120	3	30
m&p-Xylene	40.0	39.8		ug/L		100	80 - 120	3	30
Methyl iodide	20.0	20.0		ug/L		100	73 - 125	2	30
Methyl tertiary butyl ether	20.0	19.0		ug/L		95	69 - 122	2	30
Methylene Chloride	20.0	20.9		ug/L		105	80 - 120	2	30

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

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

Lab Sample ID: LCSD 410-487991/5

Matrix: Water

Analysis Batch: 487991

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
Naphthalene	20.0	19.5		ug/L		97	53 - 124	1	30
n-Butylbenzene	20.0	19.3		ug/L		97	76 - 120	1	30
N-Propylbenzene	20.0	20.4		ug/L		102	79 - 121	1	30
o-Xylene	20.0	19.7		ug/L		99	80 - 120	2	30
p-Isopropyltoluene	20.0	19.5		ug/L		97	76 - 120	0	30
sec-Butylbenzene	20.0	20.1		ug/L		100	77 - 120	2	30
Styrene	20.0	19.3		ug/L		96	80 - 120	1	30
tert-Butylbenzene	20.0	19.8		ug/L		99	78 - 120	0	30
Tetrachloroethene	20.0	20.7		ug/L		104	80 - 120	3	30
Tetrahydrofuran	100	95.6		ug/L		96	54 - 144	3	30
Toluene	20.0	20.1		ug/L		101	80 - 120	2	30
trans-1,2-Dichloroethene	20.0	20.7		ug/L		103	80 - 126	2	30
trans-1,3-Dichloropropene	20.0	17.3		ug/L		87	67 - 120	0	30
trans-1,4-Dichloro-2-butene	100	68.8		ug/L		69	33 - 143	3	30
Trichloroethene	20.0	20.1		ug/L		101	80 - 120	1	30
Trichlorofluoromethane	20.0	21.0		ug/L		105	55 - 135	3	30
Vinyl chloride	20.0	20.1		ug/L		101	56 - 120	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 120
4-Bromofluorobenzene (Surr)	97		80 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 410-485876/1-A

Matrix: Water

Analysis Batch: 486046

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 485876

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-T (1C)	ND		0.15	0.065	ug/L		03/21/24 15:42	03/22/24 08:25	1
Silvex (2,4,5-TP) (1C)	ND		0.050	0.022	ug/L		03/21/24 15:42	03/22/24 08:25	1
2,4-D (1C)	ND		0.60	0.25	ug/L		03/21/24 15:42	03/22/24 08:25	1
2,4-DB (1C)	ND		1.5	0.63	ug/L		03/21/24 15:42	03/22/24 08:25	1
Dichlorprop (1C)	ND		0.50	0.16	ug/L		03/21/24 15:42	03/22/24 08:25	1
Dalapon (1C)	ND		12	5.7	ug/L		03/21/24 15:42	03/22/24 08:25	1
Dicamba (1C)	ND		0.55	0.27	ug/L		03/21/24 15:42	03/22/24 08:25	1
Dinoseb (1C)	ND		0.60	0.28	ug/L		03/21/24 15:42	03/22/24 08:25	1
MCPD (1C)	ND		200	50	ug/L		03/21/24 15:42	03/22/24 08:25	1
MCPA (1C)	ND		200	50	ug/L		03/21/24 15:42	03/22/24 08:25	1
Pentachlorophenol (1C)	ND		0.070	0.027	ug/L		03/21/24 15:42	03/22/24 08:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid (Surr) (1C)	47		34 - 142	03/21/24 15:42	03/22/24 08:25	1
2,4-Dichlorophenylacetic acid (Surr) (2C)	43		34 - 142	03/21/24 15:42	03/22/24 08:25	1

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QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 410-485876/2-A

Matrix: Water

Analysis Batch: 486046

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 485876

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-T (1C)	0.250	0.137	J *-	ug/L		55	57 - 171
Silvex (2,4,5-TP) (2C)	0.250	0.209		ug/L		84	62 - 170
2,4-D (1C)	2.51	1.52		ug/L		60	53 - 159
2,4-DB (2C)	2.51	1.83		ug/L		73	27 - 159
Dichlorprop (1C)	2.50	2.07		ug/L		83	60 - 151
Dalapon (1C)	6.25	ND		ug/L		34	26 - 115
Dicamba (1C)	0.250	ND		ug/L		70	49 - 140
Dinoseb (1C)	1.25	ND		ug/L		14	10 - 169
MCPD (2C)	251	232		ug/L		92	50 - 144
MCPA (2C)	496	347		ug/L		70	24 - 144
Pentachlorophenol (2C)	0.199	0.137		ug/L		69	56 - 185

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	74		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	71		34 - 142

Lab Sample ID: LCSD 410-485876/3-A

Matrix: Water

Analysis Batch: 486046

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 485876

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
2,4,5-T (1C)	0.250	0.0907	J *- *1	ug/L		36	57 - 171	41	30
Silvex (2,4,5-TP) (2C)	0.250	0.116	*- *1	ug/L		47	62 - 170	57	30
2,4-D (1C)	2.51	0.909	*- *1	ug/L		36	53 - 159	50	30
2,4-DB (2C)	2.51	1.06	J *1	ug/L		42	27 - 159	53	30
Dichlorprop (2C)	2.50	1.08	*- *1	ug/L		43	60 - 151	63	30
Dalapon (1C)	6.25	ND	*1	ug/L		47	26 - 115	31	30
Dicamba (1C)	0.250	ND	*- *1	ug/L		42	49 - 140	49	30
Dinoseb (1C)	1.25	ND		ug/L		18	10 - 169	23	30
MCPD (2C)	251	118	J p *- *1	ug/L		47	50 - 144	65	30
MCPA (2C)	496	186	J *1	ug/L		38	24 - 144	60	30
Pentachlorophenol (2C)	0.199	0.127		ug/L		64	56 - 185	8	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4-Dichlorophenylacetic acid (Surr) (1C)	45		34 - 142
2,4-Dichlorophenylacetic acid (Surr) (2C)	40		34 - 142

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 410-485995/5

Matrix: Water

Analysis Batch: 485995

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			03/22/24 17:11	1

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Method: EPA 300.0 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 410-485995/3

Matrix: Water

Analysis Batch: 485995

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.50		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-485995/4

Matrix: Water

Analysis Batch: 485995

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	7.50	7.47		mg/L		100	90 - 110	0	20

Lab Sample ID: MB 410-486368/5

Matrix: Water

Analysis Batch: 486368

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.5	0.50	mg/L			03/22/24 23:55	1

Lab Sample ID: LCS 410-486368/3

Matrix: Water

Analysis Batch: 486368

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Sulfate	7.50	7.94		mg/L		106	90 - 110

Lab Sample ID: LCSD 410-486368/4

Matrix: Water

Analysis Batch: 486368

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	7.50	7.94		mg/L		106	90 - 110	0	20

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 410-485201/1-A

Matrix: Water

Analysis Batch: 485991

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 485201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/20/24 10:00	03/21/24 17:29	1

Lab Sample ID: LCS 410-485201/2-A

Matrix: Water

Analysis Batch: 485991

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 485201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	5.26		mg/L		105	88 - 119

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 410-485489/1-A
Matrix: Water
Analysis Batch: 487897

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 485489

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.052	0.021	mg/L		03/21/24 08:00	03/27/24 15:36	1

Lab Sample ID: LCS 410-485489/2-A
Matrix: Water
Analysis Batch: 487897

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 485489

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	5.00	4.93		mg/L		99	88 - 119

Lab Sample ID: MB 410-485104/1-A
Matrix: Water
Analysis Batch: 485996

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 485104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/20/24 08:15	03/21/24 19:56	1
Iron	ND		0.050	0.020	mg/L		03/20/24 08:15	03/21/24 19:56	1

Lab Sample ID: MB 410-485104/1-A
Matrix: Water
Analysis Batch: 486710

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 485104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	ND		0.0020	0.00095	mg/L		03/20/24 08:15	03/25/24 09:44	1

Lab Sample ID: LCS 410-485104/2-A
Matrix: Water
Analysis Batch: 485996

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 485104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.491		mg/L		98	85 - 120
Iron	5.00	4.87		mg/L		97	88 - 119
Manganese	0.500	0.498		mg/L		100	89 - 120

Lab Sample ID: MB 410-485997/1-A
Matrix: Water
Analysis Batch: 486246

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 485997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0020	0.00068	mg/L		03/21/24 22:00	03/22/24 11:54	1
Iron	ND		0.050	0.020	mg/L		03/21/24 22:00	03/22/24 11:54	1
Manganese	ND		0.0020	0.00095	mg/L		03/21/24 22:00	03/22/24 11:54	1

Lab Sample ID: LCS 410-485997/2-A
Matrix: Water
Analysis Batch: 486246

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 485997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.491		mg/L		98	85 - 120
Iron	5.00	4.88		mg/L		98	88 - 119
Manganese	0.500	0.488		mg/L		98	89 - 120

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 410-164256-6 MS

Matrix: Water

Analysis Batch: 485991

Client Sample ID: MW-4R-W-240314

Prep Type: Dissolved

Prep Batch: 485201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Iron	ND		5.00	5.36		mg/L		107	75 - 125

Lab Sample ID: 410-164256-6 MSD

Matrix: Water

Analysis Batch: 485991

Client Sample ID: MW-4R-W-240314

Prep Type: Dissolved

Prep Batch: 485201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Iron	ND		5.00	5.38		mg/L		108	75 - 125	0	20

Lab Sample ID: 410-164256-6 DU

Matrix: Water

Analysis Batch: 485991

Client Sample ID: MW-4R-W-240314

Prep Type: Dissolved

Prep Batch: 485201

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Iron	ND		0.0296	J	mg/L		NC	20

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-485091/25

Matrix: Water

Analysis Batch: 485091

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 to pH 4.5	ND		8.0	2.6	mg/L			03/19/24 21:55	1

Lab Sample ID: LCS 410-485091/26

Matrix: Water

Analysis Batch: 485091

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3 to pH 4.5	189	185		mg/L		98	66 - 110

Lab Sample ID: LCSD 410-485091/27

Matrix: Water

Analysis Batch: 485091

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
Total Alkalinity as CaCO3 to pH 4.5	189	186		mg/L		99	66 - 110	0	10

Method: 353.2 - Nitrogen, Nitrite

Lab Sample ID: MB 410-484032/13

Matrix: Water

Analysis Batch: 484032

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrite as N	ND		0.050	0.015	mg/L			03/16/24 12:46	1

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Method: 353.2 - Nitrogen, Nitrite (Continued)

Lab Sample ID: LCS 410-484032/14

Matrix: Water

Analysis Batch: 484032

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	0.500	0.543		mg/L		109	90 - 110

Lab Sample ID: LCSD 410-484032/15

Matrix: Water

Analysis Batch: 484032

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	0.500	0.543		mg/L		109	90 - 110	0	20

Lab Sample ID: 410-164256-1 MS

Matrix: Water

Analysis Batch: 484032

Client Sample ID: MW-22-W-240314

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nitrite as N	1.5	F1	1.00	1.63	F1	mg/L		17	90 - 110

Lab Sample ID: 410-164256-1 DU

Matrix: Water

Analysis Batch: 484032

Client Sample ID: MW-22-W-240314

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Nitrite as N	1.5	F1	1.46		mg/L		0.7	20

Method: 365.1 - Phosphorus, Total

Lab Sample ID: MB 410-486245/2-A

Matrix: Water

Analysis Batch: 486902

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 486245

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Phosphorus as P	ND		0.10	0.050	mg/L		03/22/24 14:00	03/25/24 09:59	1

Lab Sample ID: LCS 410-486245/1-A

Matrix: Water

Analysis Batch: 486902

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 486245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	1.30	1.39		mg/L		107	90 - 110

Lab Sample ID: 410-164256-2 MS

Matrix: Water

Analysis Batch: 486902

Client Sample ID: MW-5R-W-240314

Prep Type: Total/NA

Prep Batch: 486245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Phosphorus as P	0.071	J F1	2.00	2.88	F1	mg/L		141	90 - 110

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Method: 365.1 - Phosphorus, Total (Continued)

Lab Sample ID: 410-164256-2 DU

Matrix: Water

Analysis Batch: 486902

Client Sample ID: MW-5R-W-240314

Prep Type: Total/NA

Prep Batch: 486245

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Phosphorus as P	0.071	J F1	0.0923	J F5	mg/L		25	4

Method: 5210 B-2016 - BOD, 5-Day

Lab Sample ID: SCB 410-485851/4

Matrix: Water

Analysis Batch: 485851

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.825		0.0000010	0.0000010	mg/L			03/16/24 14:40	1

Lab Sample ID: USB 410-485851/2

Matrix: Water

Analysis Batch: 485851

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	USB Result	USB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	0.0367		0.0000010	0.0000010	mg/L			03/16/24 14:29	1

Lab Sample ID: LCS 410-485851/5

Matrix: Water

Analysis Batch: 485851

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Biochemical Oxygen Demand	199	184		mg/L		93	85 - 115

Method: EPA 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 410-486830/17

Matrix: Water

Analysis Batch: 486830

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			03/25/24 13:50	1

Lab Sample ID: LCS 410-486830/15

Matrix: Water

Analysis Batch: 486830

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.00	2.00		mg/L		100	90 - 110

Lab Sample ID: LCSD 410-486830/16

Matrix: Water

Analysis Batch: 486830

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Ammonia as N	2.00	2.02		mg/L		101	90 - 110	1	15

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Method: EPA 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 410-486854/17

Matrix: Water

Analysis Batch: 486854

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia as N	ND		0.10	0.050	mg/L			03/25/24 14:42	1

Lab Sample ID: LCS 410-486854/15

Matrix: Water

Analysis Batch: 486854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ammonia as N	2.00	2.09		mg/L		105	90 - 110

Lab Sample ID: LCSD 410-486854/16

Matrix: Water

Analysis Batch: 486854

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
Ammonia as N	2.00	2.04		mg/L		102	90 - 110	2	15

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

GC/MS VOA

Analysis Batch: 487018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	8260D	
410-164256-6	MW-4R-W-240314	Total/NA	Water	8260D	
410-164256-7	TB-1-W-240315	Total/NA	Water	8260D	
MB 410-487018/7	Method Blank	Total/NA	Water	8260D	
LCS 410-487018/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-487018/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 487991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-2	MW-5R-W-240314	Total/NA	Water	8260D	
MB 410-487991/7	Method Blank	Total/NA	Water	8260D	
LCS 410-487991/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-487991/5	Lab Control Sample Dup	Total/NA	Water	8260D	

GC Semi VOA

Prep Batch: 485876

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	8151A	
410-164256-2	MW-5R-W-240314	Total/NA	Water	8151A	
410-164256-6	MW-4R-W-240314	Total/NA	Water	8151A	
MB 410-485876/1-A	Method Blank	Total/NA	Water	8151A	
LCS 410-485876/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 410-485876/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 486046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	8151A	485876
410-164256-2	MW-5R-W-240314	Total/NA	Water	8151A	485876
410-164256-6	MW-4R-W-240314	Total/NA	Water	8151A	485876
MB 410-485876/1-A	Method Blank	Total/NA	Water	8151A	485876
LCS 410-485876/2-A	Lab Control Sample	Total/NA	Water	8151A	485876
LCSD 410-485876/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	485876

HPLC/IC

Analysis Batch: 485995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-3	EB-1-W-240314	Total/NA	Water	EPA 300.0 R2.1	
MB 410-485995/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-485995/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCSD 410-485995/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 486368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	EPA 300.0 R2.1	
410-164256-2	MW-5R-W-240314	Total/NA	Water	EPA 300.0 R2.1	
410-164256-4	MW-8-W-240314	Total/NA	Water	EPA 300.0 R2.1	
410-164256-5	MW-8-WD-240314	Total/NA	Water	EPA 300.0 R2.1	
410-164256-6	MW-4R-W-240314	Total/NA	Water	EPA 300.0 R2.1	
MB 410-486368/5	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 410-486368/3	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

HPLC/IC (Continued)

Analysis Batch: 486368 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 410-486368/4	Lab Control Sample Dup	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 485104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total Recoverable	Water	3005A	
410-164256-3	EB-1-W-240314	Total Recoverable	Water	3005A	
410-164256-4	MW-8-W-240314	Total Recoverable	Water	3005A	
410-164256-5	MW-8-WD-240314	Total Recoverable	Water	3005A	
410-164256-6	MW-4R-W-240314	Total Recoverable	Water	3005A	
MB 410-485104/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-485104/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 485201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Dissolved	Water	Non-Digest Prep	
410-164256-3	EB-1-W-240314	Dissolved	Water	Non-Digest Prep	
410-164256-4	MW-8-W-240314	Dissolved	Water	Non-Digest Prep	
410-164256-5	MW-8-WD-240314	Dissolved	Water	Non-Digest Prep	
410-164256-6	MW-4R-W-240314	Dissolved	Water	Non-Digest Prep	
MB 410-485201/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-485201/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	
410-164256-6 MS	MW-4R-W-240314	Dissolved	Water	Non-Digest Prep	
410-164256-6 MSD	MW-4R-W-240314	Dissolved	Water	Non-Digest Prep	
410-164256-6 DU	MW-4R-W-240314	Dissolved	Water	Non-Digest Prep	

Prep Batch: 485489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-2	MW-5R-W-240314	Dissolved	Water	Non-Digest Prep	
MB 410-485489/1-A	Method Blank	Total/NA	Water	Non-Digest Prep	
LCS 410-485489/2-A	Lab Control Sample	Total/NA	Water	Non-Digest Prep	

Analysis Batch: 485991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Dissolved	Water	6020B	485201
410-164256-3	EB-1-W-240314	Dissolved	Water	6020B	485201
410-164256-4	MW-8-W-240314	Dissolved	Water	6020B	485201
410-164256-5	MW-8-WD-240314	Dissolved	Water	6020B	485201
410-164256-6	MW-4R-W-240314	Dissolved	Water	6020B	485201
MB 410-485201/1-A	Method Blank	Total/NA	Water	6020B	485201
LCS 410-485201/2-A	Lab Control Sample	Total/NA	Water	6020B	485201
410-164256-6 MS	MW-4R-W-240314	Dissolved	Water	6020B	485201
410-164256-6 MSD	MW-4R-W-240314	Dissolved	Water	6020B	485201
410-164256-6 DU	MW-4R-W-240314	Dissolved	Water	6020B	485201

Analysis Batch: 485996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total Recoverable	Water	6020B	485104
410-164256-3	EB-1-W-240314	Total Recoverable	Water	6020B	485104
410-164256-4	MW-8-W-240314	Total Recoverable	Water	6020B	485104

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Metals (Continued)

Analysis Batch: 485996 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-5	MW-8-WD-240314	Total Recoverable	Water	6020B	485104
410-164256-6	MW-4R-W-240314	Total Recoverable	Water	6020B	485104
MB 410-485104/1-A	Method Blank	Total Recoverable	Water	6020B	485104
LCS 410-485104/2-A	Lab Control Sample	Total Recoverable	Water	6020B	485104

Prep Batch: 485997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-2	MW-5R-W-240314	Total Recoverable	Water	3005A	
MB 410-485997/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 410-485997/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 486246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-2	MW-5R-W-240314	Total Recoverable	Water	6020B	485997
MB 410-485997/1-A	Method Blank	Total Recoverable	Water	6020B	485997
LCS 410-485997/2-A	Lab Control Sample	Total Recoverable	Water	6020B	485997

Analysis Batch: 486710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-3	EB-1-W-240314	Total Recoverable	Water	6020B	485104
MB 410-485104/1-A	Method Blank	Total Recoverable	Water	6020B	485104

Analysis Batch: 487897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-2	MW-5R-W-240314	Dissolved	Water	6020B	485489
MB 410-485489/1-A	Method Blank	Total/NA	Water	6020B	485489
LCS 410-485489/2-A	Lab Control Sample	Total/NA	Water	6020B	485489

General Chemistry

Analysis Batch: 484032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	353.2	
410-164256-2	MW-5R-W-240314	Total/NA	Water	353.2	
410-164256-3	EB-1-W-240314	Total/NA	Water	353.2	
410-164256-4	MW-8-W-240314	Total/NA	Water	353.2	
410-164256-5	MW-8-WD-240314	Total/NA	Water	353.2	
410-164256-6	MW-4R-W-240314	Total/NA	Water	353.2	
MB 410-484032/13	Method Blank	Total/NA	Water	353.2	
LCS 410-484032/14	Lab Control Sample	Total/NA	Water	353.2	
LCSD 410-484032/15	Lab Control Sample Dup	Total/NA	Water	353.2	
410-164256-1 MS	MW-22-W-240314	Total/NA	Water	353.2	
410-164256-1 DU	MW-22-W-240314	Total/NA	Water	353.2	

Analysis Batch: 484287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	353.2	
410-164256-2	MW-5R-W-240314	Total/NA	Water	353.2	
410-164256-3	EB-1-W-240314	Total/NA	Water	353.2	
410-164256-4	MW-8-W-240314	Total/NA	Water	353.2	
410-164256-5	MW-8-WD-240314	Total/NA	Water	353.2	

Eurofins Lancaster Laboratories Environment Testing, LLC

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

General Chemistry (Continued)

Analysis Batch: 484287 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-6	MW-4R-W-240314	Total/NA	Water	353.2	

Analysis Batch: 485091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	2320B-2011	
410-164256-2	MW-5R-W-240314	Total/NA	Water	2320B-2011	
410-164256-3	EB-1-W-240314	Total/NA	Water	2320B-2011	
410-164256-4	MW-8-W-240314	Total/NA	Water	2320B-2011	
410-164256-5	MW-8-WD-240314	Total/NA	Water	2320B-2011	
410-164256-6	MW-4R-W-240314	Total/NA	Water	2320B-2011	
MB 410-485091/25	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-485091/26	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-485091/27	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Analysis Batch: 485851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	5210 B-2016	
410-164256-2	MW-5R-W-240314	Total/NA	Water	5210 B-2016	
410-164256-3	EB-1-W-240314	Total/NA	Water	5210 B-2016	
410-164256-4	MW-8-W-240314	Total/NA	Water	5210 B-2016	
410-164256-5	MW-8-WD-240314	Total/NA	Water	5210 B-2016	
410-164256-6	MW-4R-W-240314	Total/NA	Water	5210 B-2016	
SCB 410-485851/4	Method Blank	Total/NA	Water	5210 B-2016	
USB 410-485851/2	Method Blank	Total/NA	Water	5210 B-2016	
LCS 410-485851/5	Lab Control Sample	Total/NA	Water	5210 B-2016	

Prep Batch: 486245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	365.1	
410-164256-2	MW-5R-W-240314	Total/NA	Water	365.1	
410-164256-3	EB-1-W-240314	Total/NA	Water	365.1	
410-164256-4	MW-8-W-240314	Total/NA	Water	365.1	
410-164256-5	MW-8-WD-240314	Total/NA	Water	365.1	
410-164256-6	MW-4R-W-240314	Total/NA	Water	365.1	
MB 410-486245/2-A	Method Blank	Total/NA	Water	365.1	
LCS 410-486245/1-A	Lab Control Sample	Total/NA	Water	365.1	
410-164256-2 MS	MW-5R-W-240314	Total/NA	Water	365.1	
410-164256-2 DU	MW-5R-W-240314	Total/NA	Water	365.1	

Analysis Batch: 486830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	EPA 350.1	
410-164256-2	MW-5R-W-240314	Total/NA	Water	EPA 350.1	
410-164256-3	EB-1-W-240314	Total/NA	Water	EPA 350.1	
MB 410-486830/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-486830/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-486830/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

Analysis Batch: 486854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-4	MW-8-W-240314	Total/NA	Water	EPA 350.1	

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

General Chemistry (Continued)

Analysis Batch: 486854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-5	MW-8-WD-240314	Total/NA	Water	EPA 350.1	
410-164256-6	MW-4R-W-240314	Total/NA	Water	EPA 350.1	
MB 410-486854/17	Method Blank	Total/NA	Water	EPA 350.1	
LCS 410-486854/15	Lab Control Sample	Total/NA	Water	EPA 350.1	
LCSD 410-486854/16	Lab Control Sample Dup	Total/NA	Water	EPA 350.1	

Analysis Batch: 486902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-164256-1	MW-22-W-240314	Total/NA	Water	365.1	486245
410-164256-2	MW-5R-W-240314	Total/NA	Water	365.1	486245
410-164256-3	EB-1-W-240314	Total/NA	Water	365.1	486245
410-164256-4	MW-8-W-240314	Total/NA	Water	365.1	486245
410-164256-5	MW-8-WD-240314	Total/NA	Water	365.1	486245
410-164256-6	MW-4R-W-240314	Total/NA	Water	365.1	486245
MB 410-486245/2-A	Method Blank	Total/NA	Water	365.1	486245
LCS 410-486245/1-A	Lab Control Sample	Total/NA	Water	365.1	486245
410-164256-2 MS	MW-5R-W-240314	Total/NA	Water	365.1	486245
410-164256-2 DU	MW-5R-W-240314	Total/NA	Water	365.1	486245

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-22-W-240314

Lab Sample ID: 410-164256-1

Date Collected: 03/14/24 12:40

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487018	TQ4J	ELLE	03/26/24 18:54
Total/NA	Prep	8151A			485876	QJZ6	ELLE	03/21/24 15:42
Total/NA	Analysis	8151A		1	486046	UAMZ	ELLE	03/22/24 11:15
Total/NA	Analysis	EPA 300.0 R2.1		20	486368	L4QM	ELLE	03/23/24 03:03
Dissolved	Prep	Non-Digest Prep			485201	NU9R	ELLE	03/20/24 10:00
Dissolved	Analysis	6020B		1	485991	UCIG	ELLE	03/21/24 18:06
Total Recoverable	Prep	3005A			485104	NU9R	ELLE	03/20/24 08:15
Total Recoverable	Analysis	6020B		1	485996	UCIG	ELLE	03/21/24 20:28
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 00:39
Total/NA	Analysis	353.2		5	484032	Q3HN	ELLE	03/16/24 13:39
Total/NA	Analysis	353.2		1	484287	UKJF	ELLE	03/18/24 10:11
Total/NA	Prep	365.1			486245	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:03
Total/NA	Analysis	5210 B-2016		1	485851	B6LN	ELLE	03/16/24 14:58
Total/NA	Analysis	EPA 350.1		1	486830	JCG7	ELLE	03/25/24 14:40

Client Sample ID: MW-5R-W-240314

Lab Sample ID: 410-164256-2

Date Collected: 03/14/24 14:30

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487991	TQ4J	ELLE	03/28/24 13:21
Total/NA	Prep	8151A			485876	QJZ6	ELLE	03/21/24 15:42
Total/NA	Analysis	8151A		1	486046	UAMZ	ELLE	03/22/24 11:49
Total/NA	Analysis	EPA 300.0 R2.1		50	486368	L4QM	ELLE	03/23/24 02:25
Dissolved	Prep	Non-Digest Prep			485489	NU9R	ELLE	03/21/24 08:00
Dissolved	Analysis	6020B		1	487897	UCIG	ELLE	03/27/24 16:12
Total Recoverable	Prep	3005A			485997	UAMX	ELLE	03/21/24 22:00
Total Recoverable	Analysis	6020B		1	486246	F7JF	ELLE	03/22/24 12:20
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 00:31
Total/NA	Analysis	353.2		5	484032	Q3HN	ELLE	03/16/24 13:40
Total/NA	Analysis	353.2		1	484287	UKJF	ELLE	03/18/24 10:11
Total/NA	Prep	365.1			486245	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:03
Total/NA	Analysis	5210 B-2016		1	485851	B6LN	ELLE	03/16/24 15:03
Total/NA	Analysis	EPA 350.1		5	486830	JCG7	ELLE	03/25/24 14:44

Client Sample ID: EB-1-W-240314

Lab Sample ID: 410-164256-3

Date Collected: 03/14/24 14:40

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		1	485995	L4QM	ELLE	03/22/24 23:51

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: EB-1-W-240314

Lab Sample ID: 410-164256-3

Date Collected: 03/14/24 14:40

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	Non-Digest Prep			485201	NU9R	ELLE	03/20/24 10:00
Dissolved	Analysis	6020B		1	485991	UCIG	ELLE	03/21/24 18:18
Total Recoverable	Prep	3005A			485104	NU9R	ELLE	03/20/24 08:15
Total Recoverable	Analysis	6020B		1	486710	F7JF	ELLE	03/25/24 09:48
Total Recoverable	Prep	3005A			485104	NU9R	ELLE	03/20/24 08:15
Total Recoverable	Analysis	6020B		1	485996	UCIG	ELLE	03/21/24 20:30
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/19/24 23:06
Total/NA	Analysis	353.2		1	484032	Q3HN	ELLE	03/16/24 13:24
Total/NA	Analysis	353.2		1	484287	UKJF	ELLE	03/18/24 10:11
Total/NA	Prep	365.1			486245	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:04
Total/NA	Analysis	5210 B-2016		1	485851	B6LN	ELLE	03/16/24 15:08
Total/NA	Analysis	EPA 350.1		1	486830	JCG7	ELLE	03/25/24 14:42

Client Sample ID: MW-8-W-240314

Lab Sample ID: 410-164256-4

Date Collected: 03/14/24 15:10

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		20	486368	L4QM	ELLE	03/23/24 03:15
Dissolved	Prep	Non-Digest Prep			485201	NU9R	ELLE	03/20/24 10:00
Dissolved	Analysis	6020B		1	485991	UCIG	ELLE	03/21/24 18:10
Total Recoverable	Prep	3005A			485104	NU9R	ELLE	03/20/24 08:15
Total Recoverable	Analysis	6020B		1	485996	UCIG	ELLE	03/21/24 20:34
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 00:45
Total/NA	Analysis	353.2		1	484032	Q3HN	ELLE	03/16/24 13:24
Total/NA	Analysis	353.2		1	484287	UKJF	ELLE	03/18/24 10:11
Total/NA	Prep	365.1			486245	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:03
Total/NA	Analysis	5210 B-2016		1	485851	B6LN	ELLE	03/16/24 15:22
Total/NA	Analysis	EPA 350.1		1	486854	JCG7	ELLE	03/25/24 14:52

Client Sample ID: MW-8-WD-240314

Lab Sample ID: 410-164256-5

Date Collected: 03/14/24 15:15

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	EPA 300.0 R2.1		20	486368	L4QM	ELLE	03/23/24 03:28
Dissolved	Prep	Non-Digest Prep			485201	NU9R	ELLE	03/20/24 10:00
Dissolved	Analysis	6020B		1	485991	UCIG	ELLE	03/21/24 18:08
Total Recoverable	Prep	3005A			485104	NU9R	ELLE	03/20/24 08:15
Total Recoverable	Analysis	6020B		1	485996	UCIG	ELLE	03/21/24 20:32
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 00:04

Eurofins Lancaster Laboratories Environment Testing, LLC

Lab Chronicle

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Client Sample ID: MW-8-WD-240314

Lab Sample ID: 410-164256-5

Date Collected: 03/14/24 15:15

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	353.2		1	484032	Q3HN	ELLE	03/16/24 13:24
Total/NA	Analysis	353.2		1	484287	UKJF	ELLE	03/18/24 10:11
Total/NA	Prep	365.1			486245	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:03
Total/NA	Analysis	5210 B-2016		1	485851	B6LN	ELLE	03/16/24 15:27
Total/NA	Analysis	EPA 350.1		1	486854	JCG7	ELLE	03/25/24 14:54

Client Sample ID: MW-4R-W-240314

Lab Sample ID: 410-164256-6

Date Collected: 03/14/24 15:45

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487018	TQ4J	ELLE	03/26/24 19:39
Total/NA	Prep	8151A			485876	QJZ6	ELLE	03/21/24 15:42
Total/NA	Analysis	8151A		1	486046	UAMZ	ELLE	03/22/24 12:23
Total/NA	Analysis	EPA 300.0 R2.1		20	486368	L4QM	ELLE	03/23/24 03:40
Dissolved	Prep	Non-Digest Prep			485201	NU9R	ELLE	03/20/24 10:00
Dissolved	Analysis	6020B		1	485991	UCIG	ELLE	03/21/24 18:38
Total Recoverable	Prep	3005A			485104	NU9R	ELLE	03/20/24 08:15
Total Recoverable	Analysis	6020B		1	485996	UCIG	ELLE	03/21/24 20:44
Total/NA	Analysis	2320B-2011		1	485091	DI9Q	ELLE	03/20/24 00:22
Total/NA	Analysis	353.2		1	484032	Q3HN	ELLE	03/16/24 13:24
Total/NA	Analysis	353.2		1	484287	UKJF	ELLE	03/18/24 10:11
Total/NA	Prep	365.1			486245	UJE2	ELLE	03/22/24 14:00 - 03/22/24 15:00 ¹
Total/NA	Analysis	365.1		1	486902	JCG7	ELLE	03/25/24 10:03
Total/NA	Analysis	5210 B-2016		1	485851	B6LN	ELLE	03/16/24 15:32
Total/NA	Analysis	EPA 350.1		200	486854	JCG7	ELLE	03/25/24 14:56

Client Sample ID: TB-1-W-240315

Lab Sample ID: 410-164256-7

Date Collected: 03/15/24 00:00

Matrix: Water

Date Received: 03/16/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	487018	TQ4J	ELLE	03/26/24 20:01

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Washington	State	C457	04-11-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8260D		Water	2-Methylnaphthalene
8260D		Water	Ethyl ether

Method Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	ELLE
8151A	Herbicides (GC)	SW846	ELLE
EPA 300.0 R2.1	Anions, Ion Chromatography	EPA	ELLE
6020B	Metals (ICP/MS)	SW846	ELLE
2320B-2011	Alkalinity, Total	SM	ELLE
353.2	Nitrate by Calculation	EPA	ELLE
353.2	Nitrogen, Nitrite	EPA	ELLE
365.1	Phosphorus, Total	EPA	ELLE
5210 B-2016	BOD, 5-Day	SM	ELLE
EPA 350.1	Nitrogen, Ammonia	EPA	ELLE
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ELLE
365.1	Sample Digestion for Total Phosphorus	MCAWW	ELLE
5030C	Purge and Trap	SW846	ELLE
8151A	Extraction (Herbicides)	SW846	ELLE
Non-Digest Prep	Preparation, Non-Digested Aqueous Metals	EPA	ELLE

Protocol References:

EPA = US Environmental Protection Agency

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

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

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: Stantec Consulting Corporation
Project/Site: Bee Jay Scales

Job ID: 410-164256-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-164256-1	MW-22-W-240314	Water	03/14/24 12:40	03/16/24 09:40
410-164256-2	MW-5R-W-240314	Water	03/14/24 14:30	03/16/24 09:40
410-164256-3	EB-1-W-240314	Water	03/14/24 14:40	03/16/24 09:40
410-164256-4	MW-8-W-240314	Water	03/14/24 15:10	03/16/24 09:40
410-164256-5	MW-8-WD-240314	Water	03/14/24 15:15	03/16/24 09:40
410-164256-6	MW-4R-W-240314	Water	03/14/24 15:45	03/16/24 09:40
410-164256-7	TB-1-W-240315	Water	03/15/24 00:00	03/16/24 09:40

Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 410-164256-1

Login Number: 164256

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

List Number: 1

Creator: Miller, Wesley R

Question	Answer	Comment
The cooler's custody seal is 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 acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

APPENDIX C
Summary of First Quarter 2024 Duplicate Relative
Percent Difference

**Summary of First Quarter 2024 Duplicate Relative Percent Difference
Bee-Jay Scales Site, Sunnyside, Washington**

Location ID	Sample ID	Analyte	Less than MDL	Analytical Results	Qualifier	Units	RPD
MW-08	MW-8-W-240314	Ammonia as N		0.53		mg/L	3.70%
MW-08	MW-8-WD-240314	Ammonia as N		0.55		mg/L	
MW-08	MW-8-W-240314	Arsenic		0.011		mg/L	8.70%
MW-08	MW-8-WD-240314	Arsenic		0.012		mg/L	
MW-08	MW-8-W-240314	Bicarbonate Alkalinity as CaCO3		270		mg/L	0.00%
MW-08	MW-8-WD-240314	Bicarbonate Alkalinity as CaCO3		270		mg/L	
MW-08	MW-8-W-240314	Biochemical Oxygen Demand	<	2	U	mg/L	0.00%
MW-08	MW-8-WD-240314	Biochemical Oxygen Demand	<	2	U	mg/L	
MW-08	MW-8-W-240314	Carbonate Alkalinity as CaCO3	<	2.6	U	mg/L	0.00%
MW-08	MW-8-WD-240314	Carbonate Alkalinity as CaCO3	<	2.6	U	mg/L	
MW-08	MW-8-W-240314	Hydroxide Alkalinity	<	2.6	U	mg/L	0.00%
MW-08	MW-8-WD-240314	Hydroxide Alkalinity	<	2.6	U	mg/L	
MW-08	MW-8-W-240314	Iron (Dissolved)	<	0.021	U	mg/L	0.00%
MW-08	MW-8-WD-240314	Iron (Dissolved)	<	0.021	U	mg/L	
MW-08	MW-8-W-240314	Iron (Total)		0.09		mg/L	10.53%
MW-08	MW-8-WD-240314	Iron (Total)		0.1		mg/L	
MW-08	MW-8-W-240314	Manganese		0.61	B cn	mg/L	4.80%
MW-08	MW-8-WD-240314	Manganese		0.64	B cn	mg/L	
MW-08	MW-8-W-240314	Nitrate as N		46		mg/L	2.15%
MW-08	MW-8-WD-240314	Nitrate as N		47		mg/L	
MW-08	MW-8-W-240314	Nitrite as N	<	0.015	U	mg/L	0.00%
MW-08	MW-8-WD-240314	Nitrite as N	<	0.015	U	mg/L	
MW-08	MW-8-W-240314	Phenolphthalein Alkalinity as CaCO3 to pH 8.3	<	2.6	U	mg/L	0.00%
MW-08	MW-8-WD-240314	Phenolphthalein Alkalinity as CaCO3 to pH 8.3	<	2.6	U	mg/L	
MW-08	MW-8-W-240314	Sulfate		150		mg/L	6.45%
MW-08	MW-8-WD-240314	Sulfate		160		mg/L	
MW-08	MW-8-W-240314	Total Alkalinity as CaCO3 to pH 4.5		270		mg/L	0.00%
MW-08	MW-8-WD-240314	Total Alkalinity as CaCO3 to pH 4.5		270		mg/L	
MW-08	MW-8-W-240314	Total Phosphorus as P		0.13		mg/L	8.00%
MW-08	MW-8-WD-240314	Total Phosphorus as P		0.12		mg/L	
MW-17	MW-17-W-240312	Arsenic		0.012		mg/L	0.00%
MW-17	MW-17-WD-240312	Arsenic		0.012		mg/L	
MW-17	MW-17-W-240312	Nitrate as N		3.8		mg/L	7.59%
MW-17	MW-17-WD-240312	Nitrate as N		4.1		mg/L	
MW-17	MW-17-W-240312	Nitrite as N	<	0.015	U H cn	mg/L	0.00%
MW-17	MW-17-WD-240312	Nitrite as N	<	0.015	U H cn	mg/L	
AVERAGE							2.88%

Notes:

MDL = method detection limit

RPD = relative percent difference

mg/L = milligrams per liter

U = compound was not detected above MDL

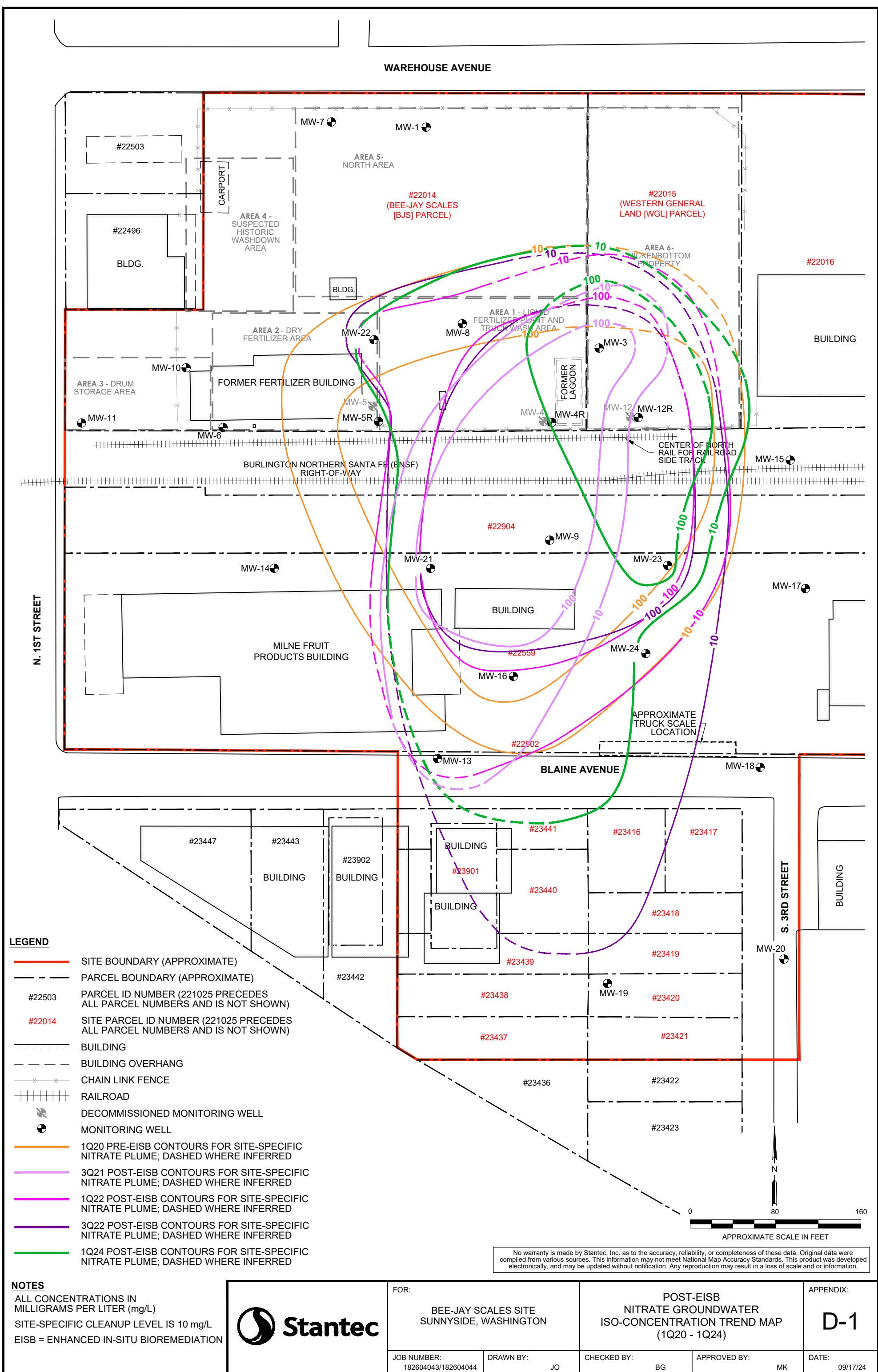
B = compound was found in the blank and sample

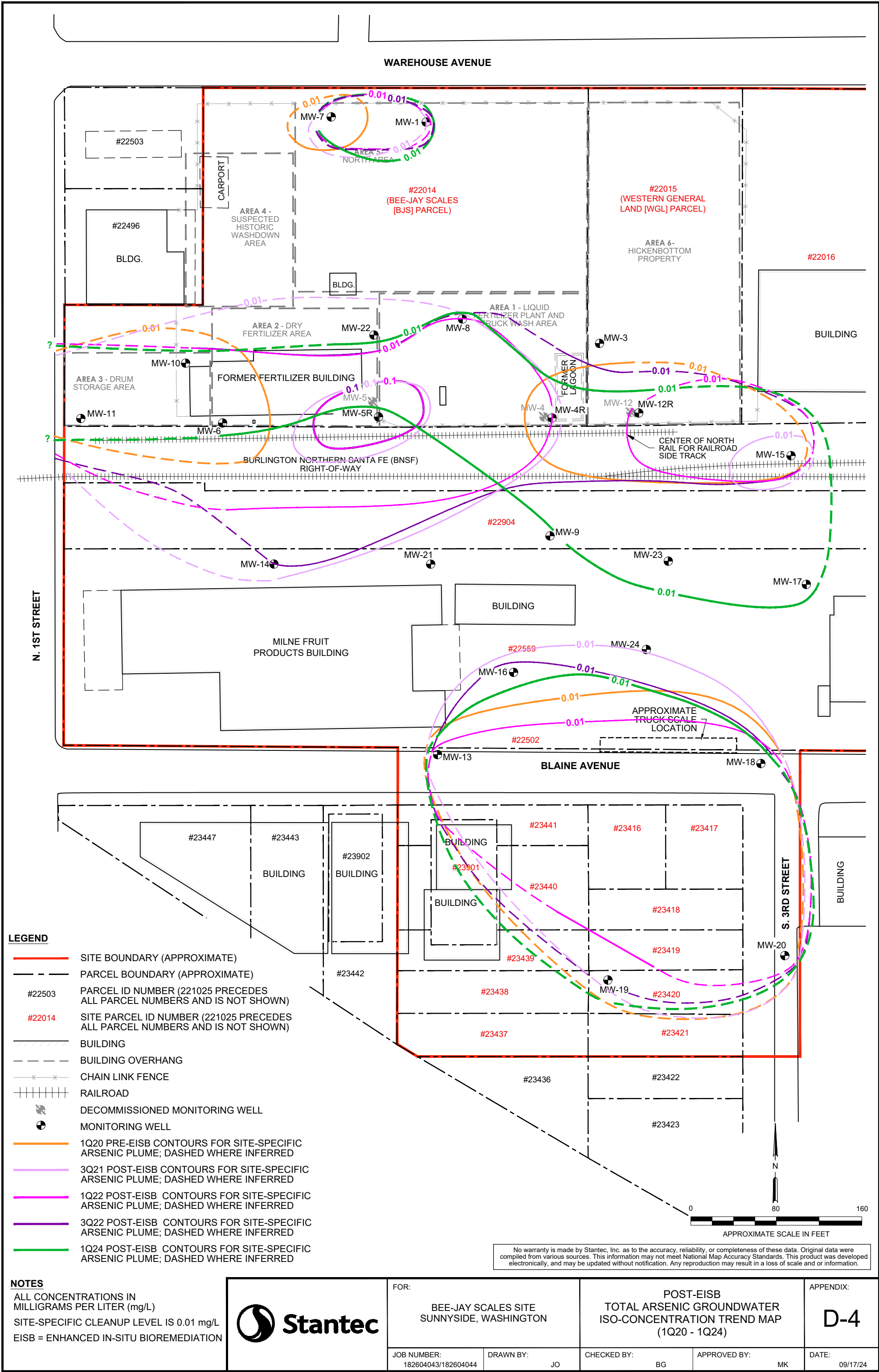
H = holding time not met

cn = refer to case narrative for further detail

APPENDIX D

Post-EISB Groundwater Iso-Concentration Trend Maps





APPENDIX E

First Quarter 2024 Trend Analysis Software Outputs

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

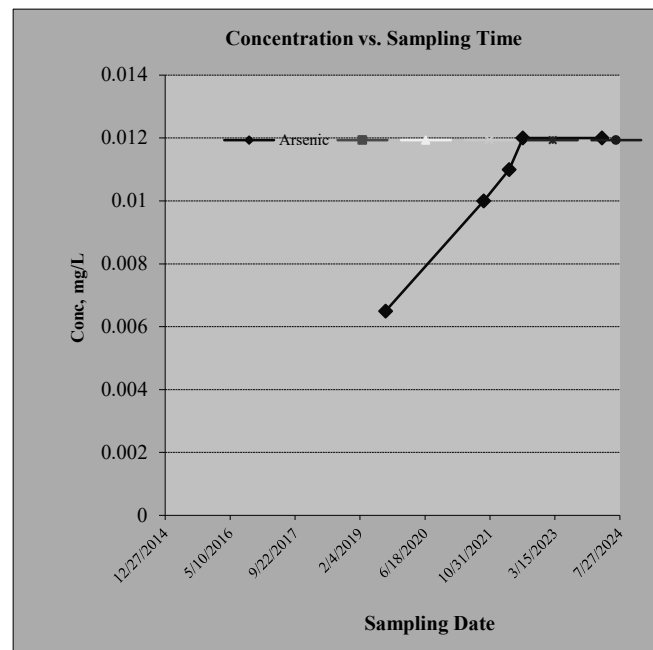
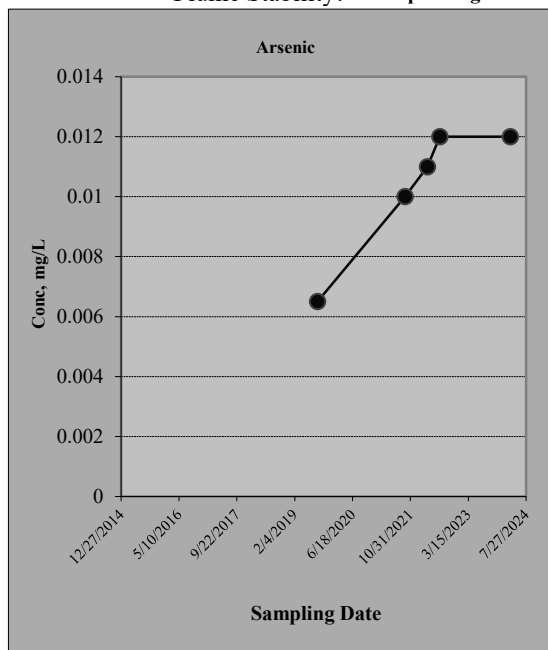
Additional Description:

Well (Sampling) Location? **MW-1**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic					
#1	8/23/2016						
#2	2/28/2017						
#3	9/19/2017						
#4	3/6/2018						
#5	8/30/2018						
#6	3/19/2019						
#7	8/20/2019	0.0065					
#8	3/10/2020						
#9	8/31/2020						
#10	2/23/2021						
#11	9/14/2021	0.01					
#12	3/28/2022	0.011					
#13	7/11/2022	0.012					
#14	3/6/2023						
#15	8/21/2023						
#16	3/11/2024	0.012					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic					
Confidence Level Calculated?	95.80%	NA	NA	NA	NA	NA
Plume Stability?	<i>Expanding</i>	NA	NA	NA	NA	NA
Coefficient of Variation?		n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	9	0	0	0	0	0
Number of Sampling Rounds?	5	0	0	0	0	0
Average Concentration?	0.01	NA	NA	NA	NA	NA
Standard Deviation?	0.00	NA	NA	NA	NA	NA
Coefficient of Variation?	0.22	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **Arsenic**Plume Stability? **Expanding**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

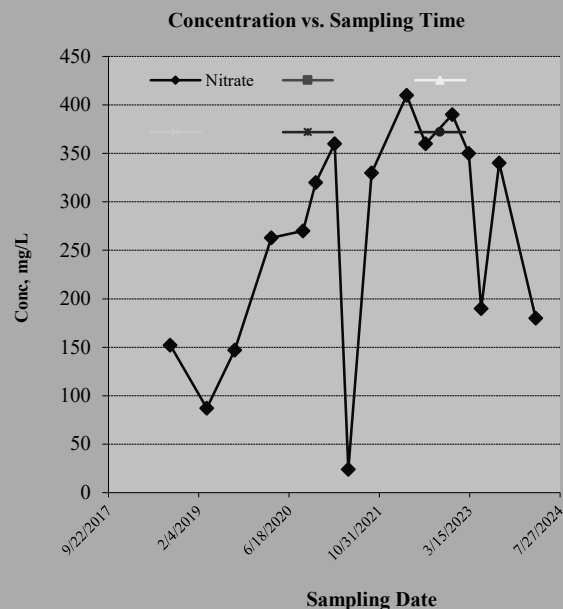
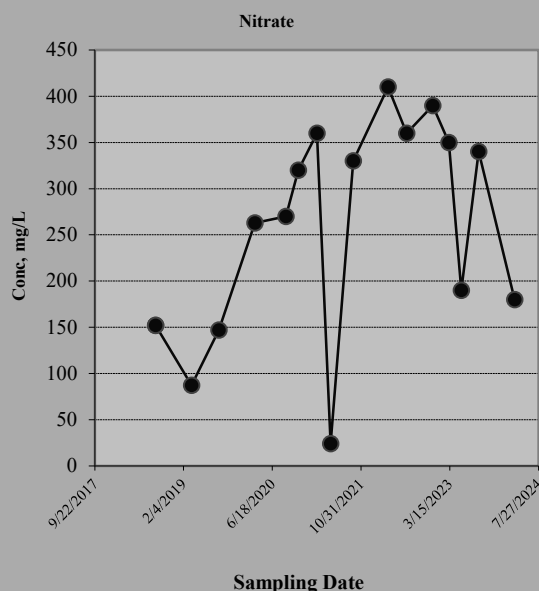
Additional Description:

Well (Sampling) Location? **MW-3**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Nitrate					
#1	8/30/2018	152					
#2	3/21/2019	87.2					
#3	8/22/2019	147					
#4	3/12/2020	263					
#5	9/3/2020	270					
#6	11/12/2020	320					
#7	2/25/2021	360					
#8	5/12/2021	24					
#9	9/17/2021	330					
#10	3/31/2022	410					
#11	7/14/2022	360					
#12	12/8/2022	390					
#13	3/9/2023	350					
#14	5/18/2023	190					
#15	8/24/2023	340					
#16	3/14/2024	180					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate					
Confidence Level Calculated?	94.20%	NA	NA	NA	NA	NA
Plume Stability?	<i>Expanding</i>	NA	NA	NA	NA	NA
Coefficient of Variation?		n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	37	0	0	0	0	0
Number of Sampling Rounds?	16	0	0	0	0	0
Average Concentration?	260.83	NA	NA	NA	NA	NA
Standard Deviation?	116.56	NA	NA	NA	NA	NA
Coefficient of Variation?	0.45	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **Nitrate**Plume Stability? **Expanding**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

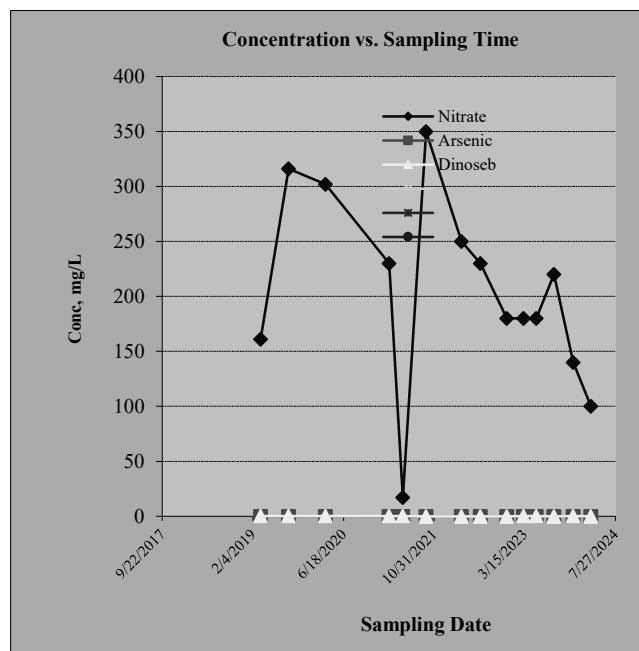
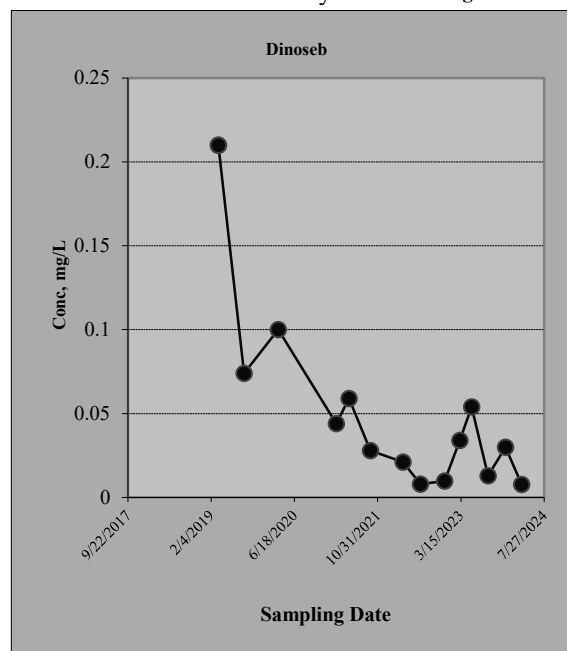
Additional Description:

Well (Sampling) Location? **MW-4R**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Nitrate	Arsenic	Dinoseb			
#1	3/19/2019	161	0.008	0.21			
#2	8/20/2019	316	0.0147	0.074			
#3	3/12/2020	302	0.0169	0.1			
#4	9/3/2020						
#5	11/12/2020						
#6	2/25/2021	230	0.011	0.044			
#7	5/12/2021	17	0.0099	0.059			
#8	9/17/2021	350	0.012	0.028			
#9	4/1/2022	250	0.01	0.021			
#10	7/14/2022	230	0.012	0.0079			
#11	12/6/2022	180	0.0098	0.0097			
#12	3/9/2023	180	0.012	0.034			
#13	5/18/2023	180	0.011	0.054			
#14	8/24/2023	220	0.012	0.013			
#15	12/7/2023	140	0.012	0.03			
#16	3/14/2024	100	0.016	0.0077			

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic	Dinoseb			
Confidence Level Calculated?	96.90%	77.50%	99.80%	NA	NA	NA
Plume Stability?	Shrinking	Stable	Shrinking	NA	NA	NA
Coefficient of Variation?		CV <= 1		n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-35	16	-51	0	0	0
Number of Sampling Rounds?	14	14	14	0	0	0
Average Concentration?	204.00	0.01	0.05	NA	NA	NA
Standard Deviation?	87.99	0.00	0.05	NA	NA	NA
Coefficient of Variation?	0.43	0.21	1.08	NA	NA	NA
Blank if No Errors found				n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **Dinoseb**Plume Stability? **Shrinking**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

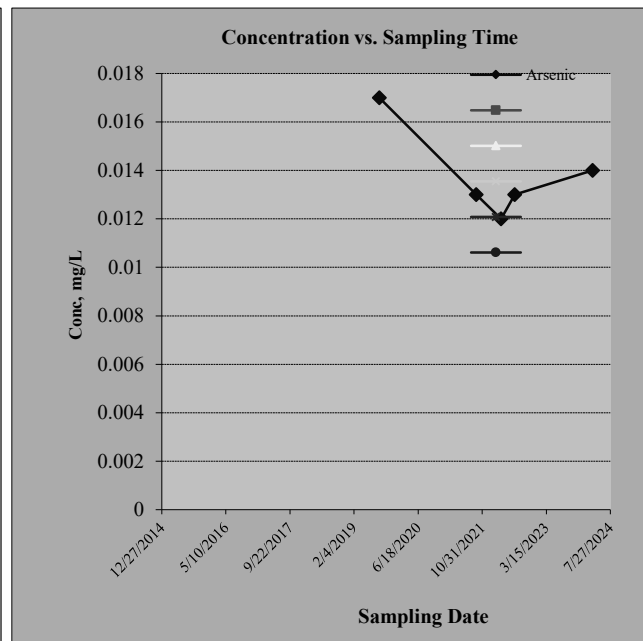
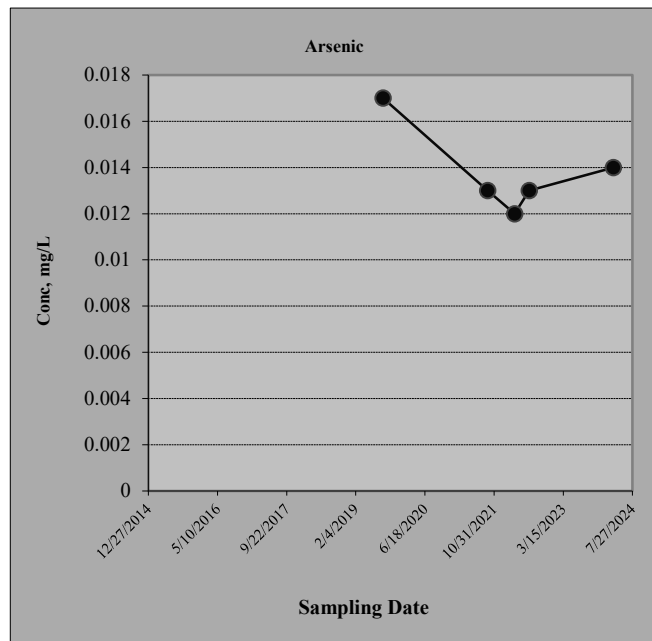
Additional Description:

Well (Sampling) Location? **MW-7**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic					
#1	8/23/2016						
#2	2/28/2017						
#3	9/19/2017						
#4	3/6/2018						
#5	8/28/2018						
#6	3/19/2019						
#7	8/20/2019	0.017					
#8	3/10/2020						
#9	8/31/2020						
#10	2/23/2021						
#11	9/14/2021	0.013					
#12	3/28/2022	0.012					
#13	7/11/2022	0.013					
#14	3/6/2023						
#15	8/21/2023						
#16	3/11/2024	0.014					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic					
Confidence Level Calculated?	40.80%	NA	NA	NA	NA	NA
Plume Stability?	Stable	NA	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1	n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-1	0	0	0	0	0
Number of Sampling Rounds?	5	0	0	0	0	0
Average Concentration?	0.01	NA	NA	NA	NA	NA
Standard Deviation?	0.00	NA	NA	NA	NA	NA
Coefficient of Variation?	0.14	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **Arsenic**Plume Stability? **Stable**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *110 N. 1st Street, Sunnyside, WA*

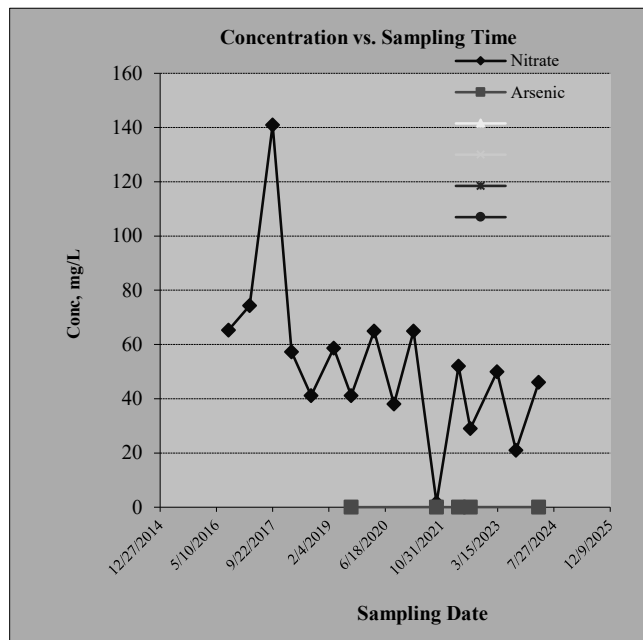
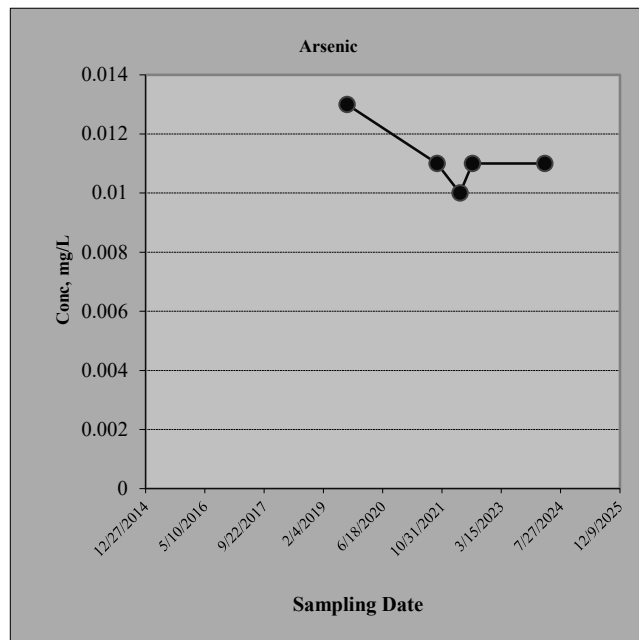
Additional Description:

Well (Sampling) Location? **MW-8**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Nitrate	Arsenic				
#1	8/25/2016	65.3					
#2	3/2/2017	74.3					
#3	9/21/2017	141					
#4	3/8/2018	57.3					
#5	8/29/2018	41.1					
#6	3/20/2019	58.7					
#7	8/21/2019	41.1	0.013				
#8	3/11/2020	64.9					
#9	9/3/2020	38					
#10	2/25/2021	65					
#11	9/17/2021	1.6	0.011				
#12	3/31/2022	52	0.01				
#13	7/14/2022	29	0.011				
#14	3/9/2023	50					
#15	8/24/2023	21					
#16	3/14/2024	46	0.011				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic				
Confidence Level Calculated?	99.20%	59.20%	NA	NA	NA	NA
Plume Stability?	Shrinking	Stable	NA	NA	NA	NA
Coefficient of Variation?		CV <= 1	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-55	-3	0	0	0	0
Number of Sampling Rounds?	16	5	0	0	0	0
Average Concentration?	52.89	0.01	NA	NA	NA	NA
Standard Deviation?	29.99	0.00	NA	NA	NA	NA
Coefficient of Variation?	0.57	0.10	NA	NA	NA	NA
Blank if No Errors found			n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **Arsenic**Plume Stability? **Stable**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

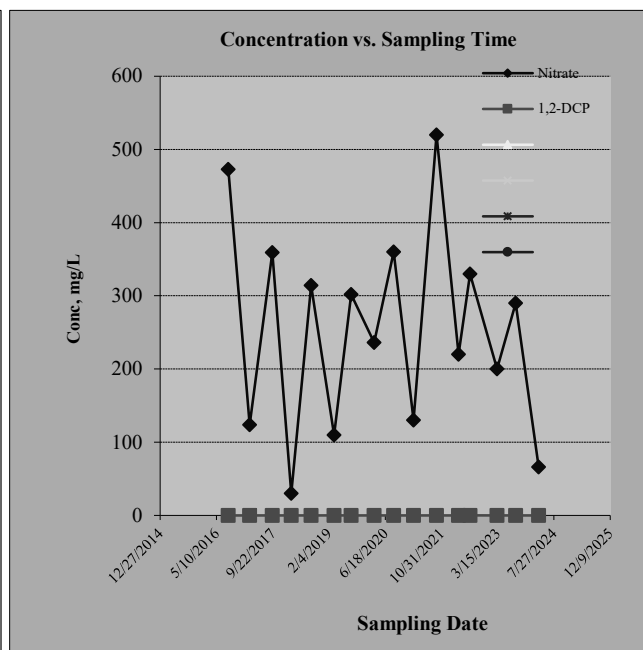
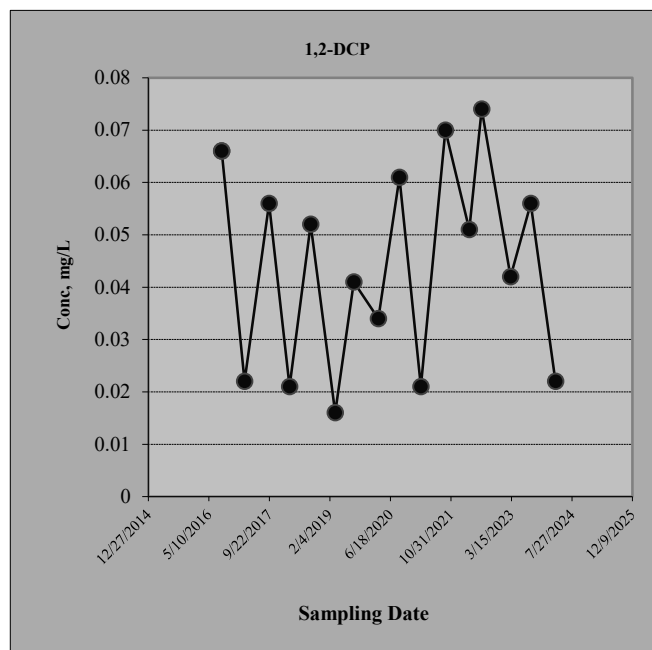
Additional Description:

Well (Sampling) Location? **MW-9**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Nitrate	1,2-DCP				
#1	8/24/2016	473	0.066				
#2	3/2/2017	124	0.022				
#3	9/20/2017	359	0.056				
#4	3/7/2018	30	0.021				
#5	8/29/2018	314	0.052				
#6	3/21/2019	110	0.016				
#7	8/21/2019	302	0.041				
#8	3/11/2020	236	0.034				
#9	9/2/2020	360	0.061				
#10	2/25/2021	130	0.021				
#11	9/16/2021	520	0.07				
#12	4/1/2022	220	0.051				
#13	7/13/2022	330	0.074				
#14	3/8/2023	200	0.042				
#15	8/22/2023	290	0.056				
#16	3/13/2024	66	0.022				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	1,2-DCP				
Confidence Level Calculated?	68.70%	62.20%	NA	NA	NA	NA
Plume Stability?	Stable	Stable	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1	CV <= 1	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-12	9	0	0	0	0
Number of Sampling Rounds?	16	16	0	0	0	0
Average Concentration?	254.00	0.04	NA	NA	NA	NA
Standard Deviation?	140.68	0.02	NA	NA	NA	NA
Coefficient of Variation?	0.55	0.44	NA	NA	NA	NA
Blank if No Errors found			n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **1,2-DCP**Plume Stability? **Stable**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

Additional Description:

Well (Sampling) Location?

MW-10

Level of Confidence (Decision Criteria)?

85%

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic					
#1	8/23/2016	0.0189					
#2	2/28/2017	0.0423					
#3	9/19/2017	0.0248					
#4	3/6/2018	0.0289					
#5	8/28/2018	0.0186					
#6	3/20/2019	0.0235					
#7	8/20/2019	0.0179					
#8	3/10/2020	0.0164					
#9	9/1/2020	0.016					
#10	2/23/2021	0.02					
#11	9/15/2021	0.016					
#12	3/29/2022	0.016					
#13	7/12/2022	0.019					
#14	3/6/2023	0.019					
#15	8/21/2023	0.015					
#16	3/11/2024	0.021					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic					
Confidence Level Calculated?	97.40%	NA	NA	NA	NA	NA
Plume Stability?	Shrinking	NA	NA	NA	NA	NA
Coefficient of Variation?		n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-44	0	0	0	0	0
Number of Sampling Rounds?	16	0	0	0	0	0
Average Concentration?	0.02	NA	NA	NA	NA	NA
Standard Deviation?	0.01	NA	NA	NA	NA	NA
Coefficient of Variation?	0.33	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

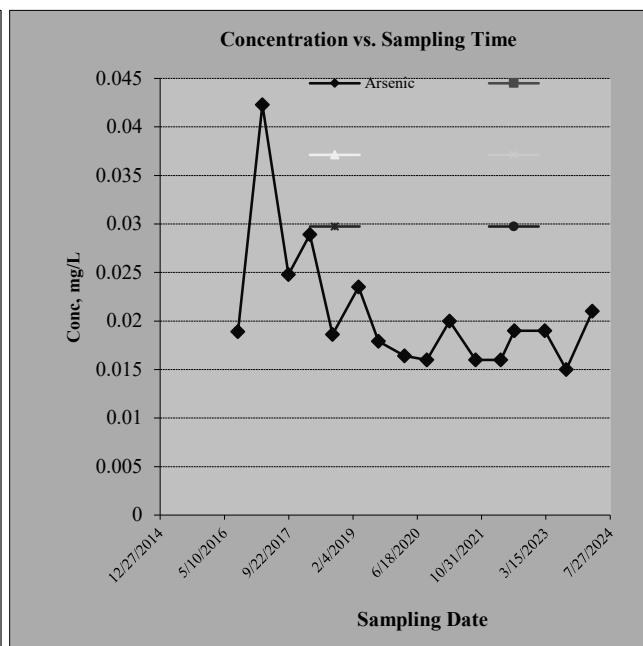
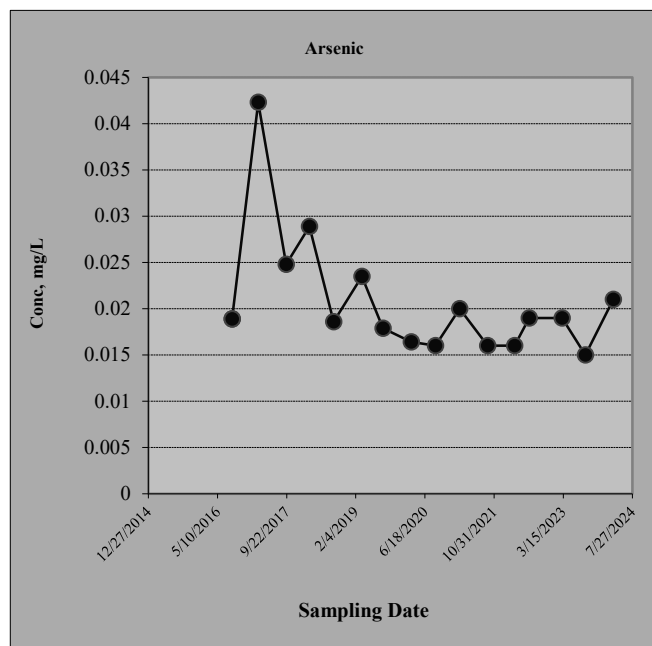
3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance?

Arsenic

Plume Stability?

Shrinking



Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

Additional Description:

Well (Sampling) Location?

MW-11

Level of Confidence (Decision Criteria)?

85%

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic					
#1	8/24/2016	0.0479					
#2	3/1/2017	0.0439					
#3	9/20/2017	0.0478					
#4	3/7/2018	0.0564					
#5	8/28/2018	0.0421					
#6	3/20/2019	0.0441					
#7	8/20/2019	0.0481					
#8	3/11/2020	0.04					
#9	9/1/2020	0.034					
#10	2/24/2021	0.043					
#11	9/15/2021	0.019					
#12	3/28/2022	0.029					
#13	7/12/2022	0.038					
#14	3/7/2023	0.034					
#15	8/21/2023	0.031					
#16	3/12/2024	0.029					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic					
Confidence Level Calculated?	99.90%	NA	NA	NA	NA	NA
Plume Stability?	Shrinking	NA	NA	NA	NA	NA
Coefficient of Variation?		n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-72	0	0	0	0	0
Number of Sampling Rounds?	16	0	0	0	0	0
Average Concentration?	0.04	NA	NA	NA	NA	NA
Standard Deviation?	0.01	NA	NA	NA	NA	NA
Coefficient of Variation?	0.24	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

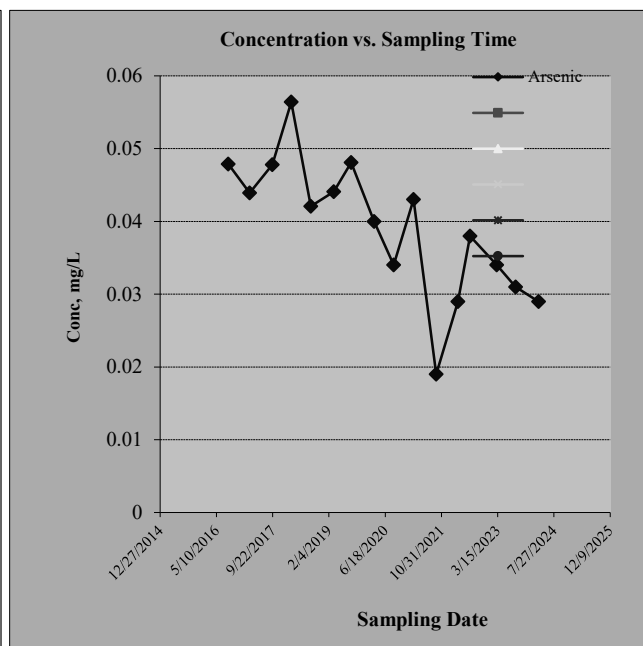
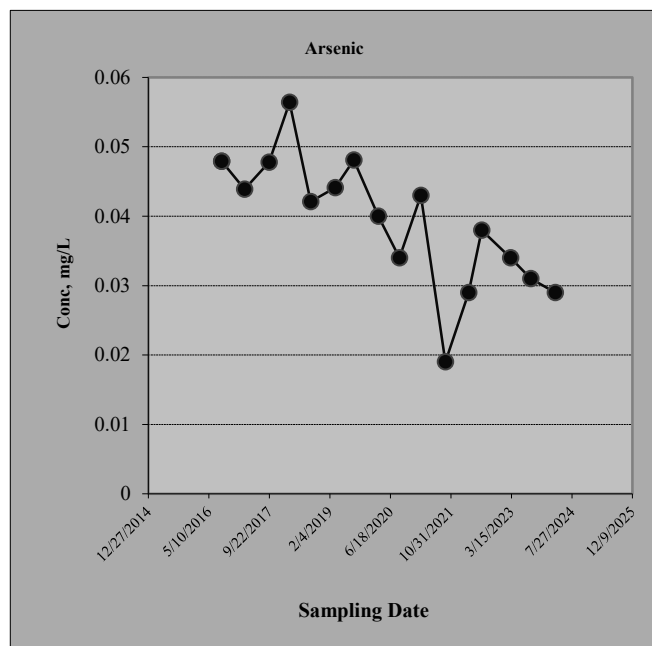
3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance?

Arsenic

Plume Stability?

Shrinking



Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

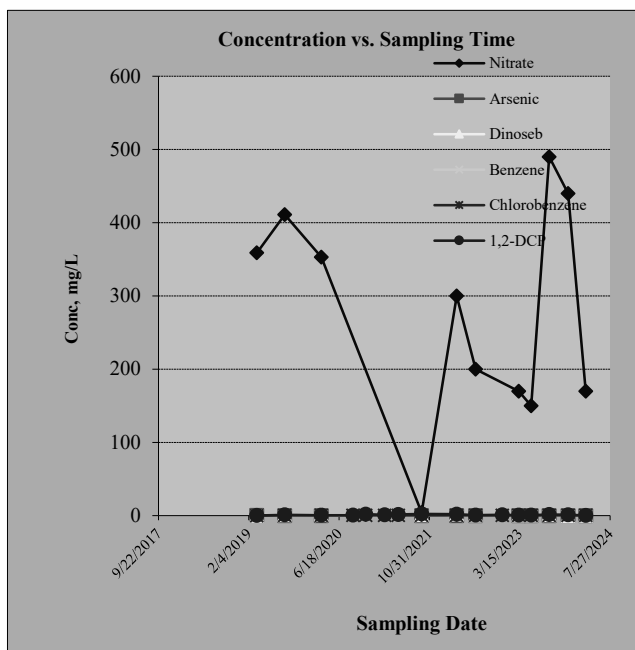
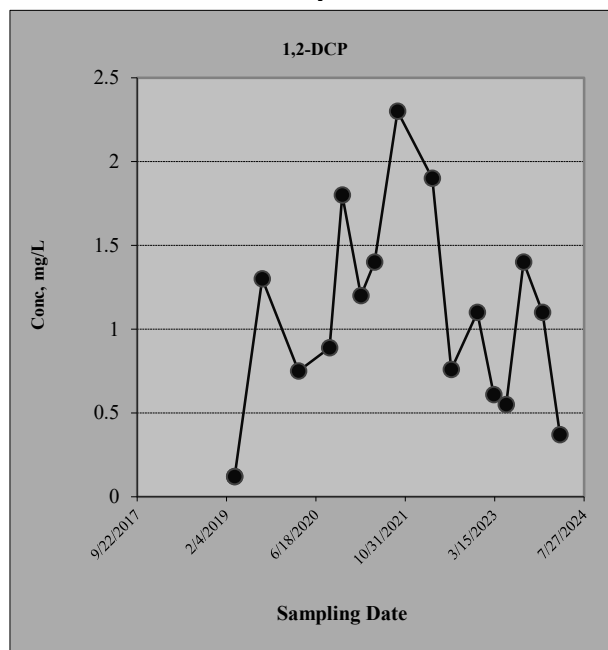
Additional Description:

Well (Sampling) Location? **MW-12R**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

Sampling Event	Date Sampled	Hazardous Substances (unit is mg/L)					
		Nitrate	Arsenic	Dinoseb	Benzene	Chlorobenzene	1,2-DCP
#1	3/21/2019	359	0.118	0.44	0.002	0.078	0.12
#2	8/22/2019	411	0.0687	1.2	0.014	0.16	1.3
#3	3/12/2020	353	0.064	1.5	0.01	0.18	0.75
#4	9/3/2020				0.011	0.14	0.89
#5	11/12/2020				0.02	0.22	1.8
#6	2/25/2021				0.015	0.17	1.2
#7	5/12/2021				0.014	0.17	1.4
#8	9/17/2021	4	0.0039	1.2	0.026	0.29	2.3
#9	3/31/2022	300	0.011	1.8	0.022	0.29	1.9
#10	7/14/2022	200	0.064	0.64	0.011	0.16	0.76
#11	12/8/2022				0.013	0.22	1.1
#12	3/9/2023	170	0.027	0.83	0.0075	0.14	0.61
#13	5/18/2023	150	0.02	0.8	0.0073	0.13	0.55
#14	8/24/2023	490	0.012	1.1	0.02	0.29	1.4
#15	12/7/2023	440	0.011	0.0039	0.017	0.27	1.1
#16	3/14/2024	170	0.016	0.12	0.0056	0.12	0.37

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Arsenic	Dinoseb	Benzene	Chlorobenzene	1,2-DCP
Confidence Level Calculated?	67.60%	97.00%	89.10%	48.20%	65.50%	65.50%
Plume Stability?	Stable	Shrinking	Shrinking	Stable	Stable	Stable
Coefficient of Variation?	CV <= 1			CV <= 1	CV <= 1	CV <= 1
Mann-Kendall Statistic "S" value?	-8	-25	-18	-1	11	-10
Number of Sampling Rounds?	11	11	11	16	16	16
Average Concentration?	277.00	0.04	0.88	0.01	0.19	1.10
Standard Deviation?	149.13	0.04	0.56	0.01	0.07	0.58
Coefficient of Variation?	0.54	0.95	0.63	0.48	0.35	0.53
Blank if No Errors found						

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **1,2-DCP**Plume Stability? **Stable**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

Additional Description:

Well (Sampling) Location?

MW-15

Level of Confidence (Decision Criteria)?

85%

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic					
#1	8/24/2016	0.0144					
#2	3/1/2017	0.0129					
#3	9/19/2017	0.0171					
#4	3/6/2018	0.0227					
#5	8/30/2018	0.0223					
#6	3/20/2019	0.008					
#7	8/20/2019	0.0141					
#8	3/10/2020	0.0149					
#9	9/1/2020	0.014					
#10	2/23/2021	0.015					
#11	9/14/2021	0.015					
#12	3/30/2022	0.015					
#13	7/12/2022	0.015					
#14	3/7/2023	0.015					
#15	8/22/2023	0.014					
#16	3/11/2024	0.014					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic					
Confidence Level Calculated?	58.80%	NA	NA	NA	NA	NA
Plume Stability?	Stable	NA	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1	n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-7	0	0	0	0	0
Number of Sampling Rounds?	16	0	0	0	0	0
Average Concentration?	0.02	NA	NA	NA	NA	NA
Standard Deviation?	0.00	NA	NA	NA	NA	NA
Coefficient of Variation?	0.22	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

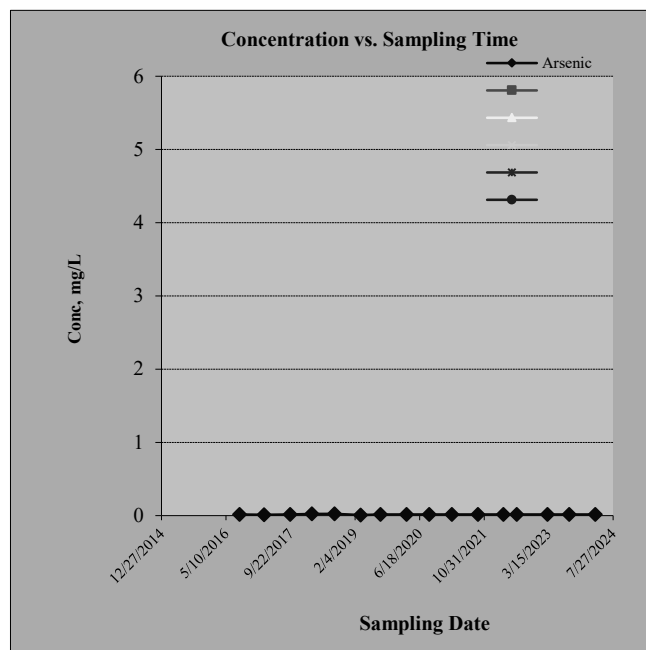
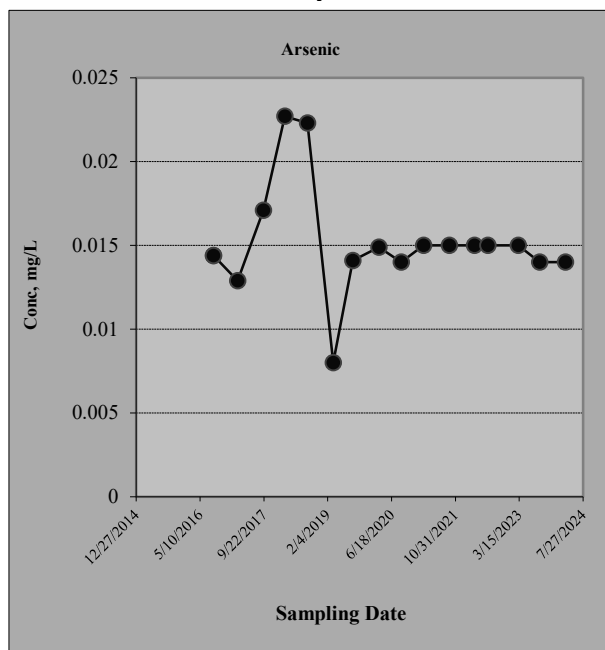
3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance?

Arsenic

Plume Stability?

Stable



Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

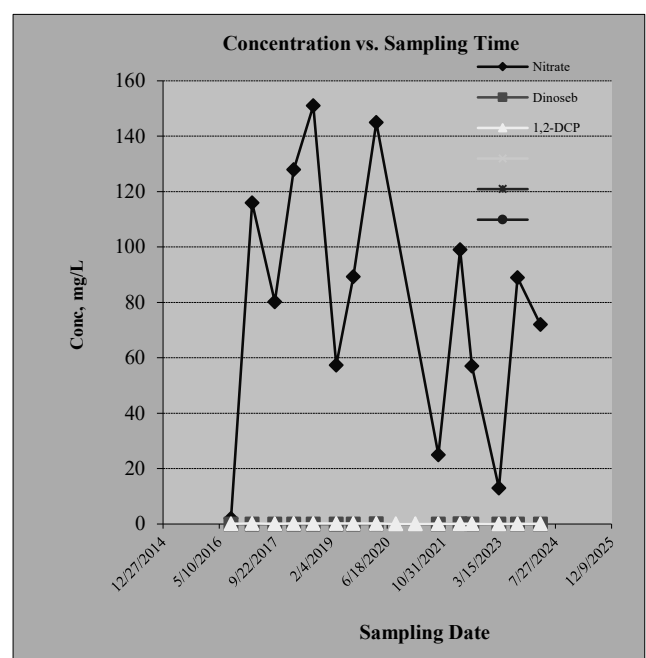
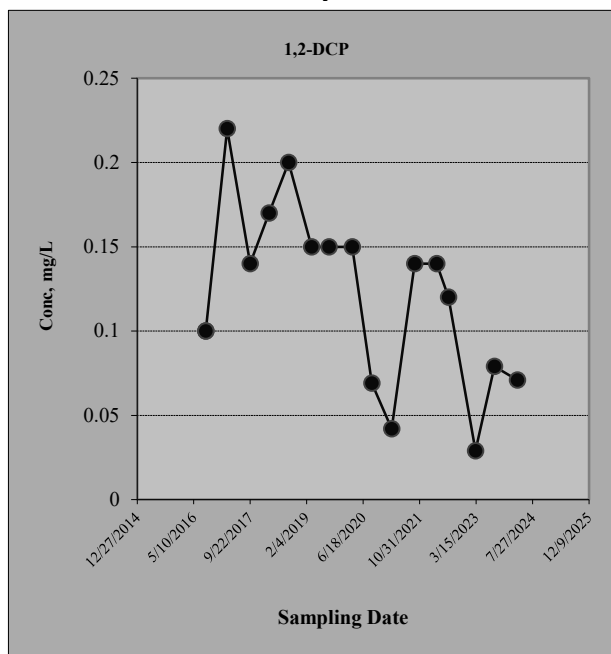
Additional Description:

Well (Sampling) Location? **MW-16**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Nitrate	Dinoseb	1,2-DCP			
#1	8/24/2016	2	0.0004	0.1			
#2	3/1/2017	116	0.0028	0.22			
#3	9/20/2017	80.2	0.0061	0.14			
#4	3/7/2018	128	0.014	0.17			
#5	8/29/2018	151	0.021	0.2			
#6	3/20/2019	57.3	0.015	0.15			
#7	8/21/2019	89.3	0.018	0.15			
#8	3/13/2020	145	0.054	0.15			
#9	9/2/2020			0.069			
#10	2/25/2021			0.042			
#11	9/16/2021	25	0.0097	0.14			
#12	3/30/2022	99	0.031	0.14			
#13	7/13/2022	57	0.0042	0.12			
#14	3/9/2023	13	0.0064	0.029			
#15	8/23/2023	89	0.0092	0.079			
#16	3/14/2024	72	0.019	0.071			

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Dinoseb	1,2-DCP			
Confidence Level Calculated?	74.10%	90.40%	99.60%	NA	NA	NA
Plume Stability?	Stable	<i>Expanding</i>	Shrinking	NA	NA	NA
Coefficient of Variation?	CV <= 1			n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-13	25	-58	0	0	0
Number of Sampling Rounds?	14	14	16	0	0	0
Average Concentration?	80.27	0.02	0.12	NA	NA	NA
Standard Deviation?	46.49	0.01	0.05	NA	NA	NA
Coefficient of Variation?	0.58	0.93	0.44	NA	NA	NA
Blank if No Errors found				n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **1,2-DCP**Plume Stability? **Shrinking**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

Additional Description:

Well (Sampling) Location?

MW-17

Level of Confidence (Decision Criteria)?

85%

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic					
#1	8/23/2016						
#2	2/28/2017						
#3	9/19/2017						
#4	3/7/2018						
#5	8/28/2018						
#6	3/21/2019						
#7	8/21/2019	0.0065					
#8	3/11/2020						
#9	9/1/2020						
#10	2/24/2021						
#11	9/16/2021	0.0084					
#12	3/29/2022	0.0083					
#13	7/13/2022	0.0086					
#14	3/8/2023						
#15	8/22/2023						
#16	3/12/2024	0.012					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic					
Confidence Level Calculated?	95.80%	NA	NA	NA	NA	NA
Plume Stability?	<i>Expanding</i>	NA	NA	NA	NA	NA
Coefficient of Variation?		n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	8	0	0	0	0	0
Number of Sampling Rounds?	5	0	0	0	0	0
Average Concentration?	0.01	NA	NA	NA	NA	NA
Standard Deviation?	0.00	NA	NA	NA	NA	NA
Coefficient of Variation?	0.23	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

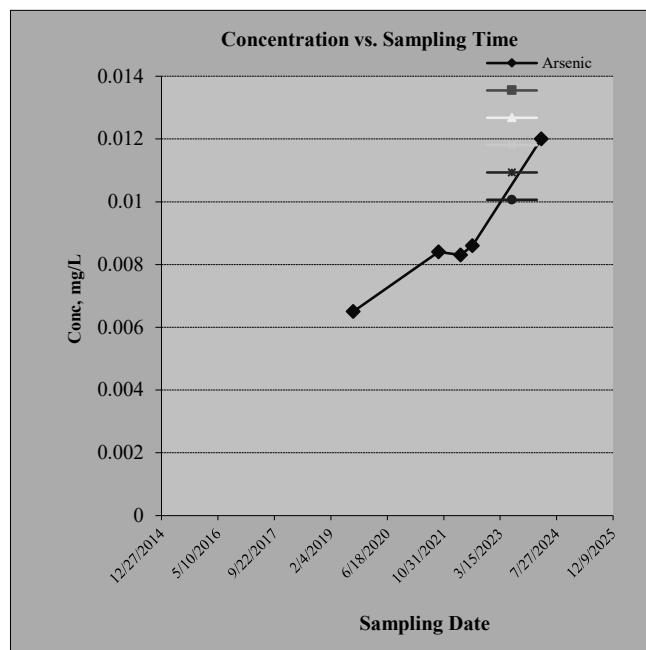
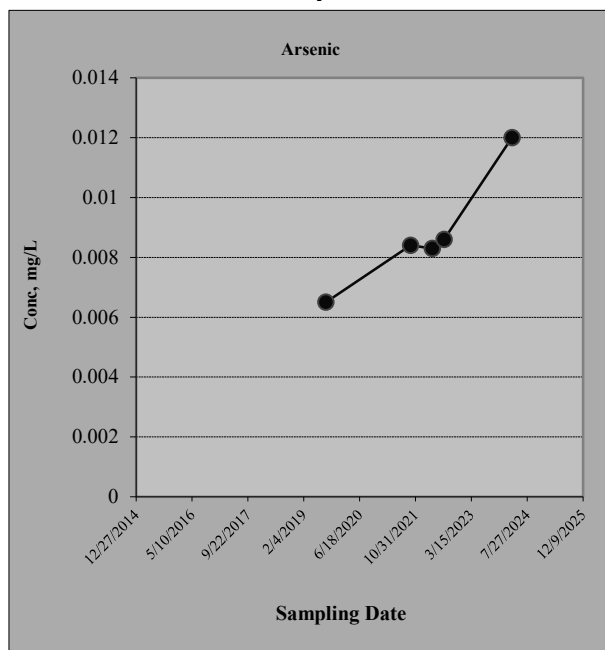
3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance?

Arsenic

Plume Stability?

Expanding



Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

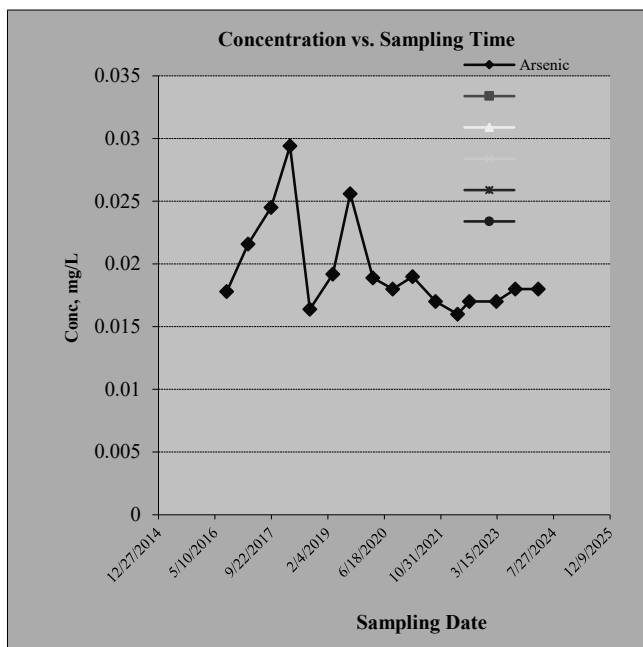
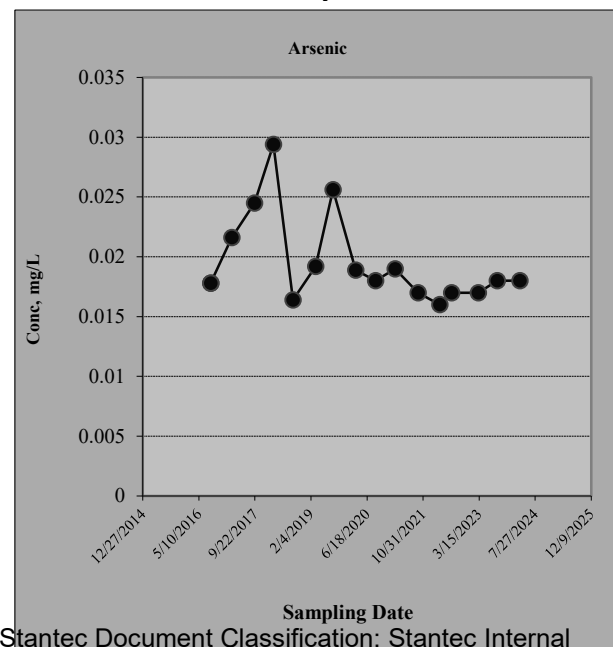
Additional Description:

Well (Sampling) Location? **MW-18**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic					
#1	8/23/2016	0.0178					
#2	2/28/2017	0.0216					
#3	9/19/2017	0.0245					
#4	3/6/2018	0.0294					
#5	8/28/2018	0.0164					
#6	3/19/2019	0.0192					
#7	8/20/2019	0.0256					
#8	3/10/2020	0.0189					
#9	9/1/2020	0.018					
#10	2/24/2021	0.019					
#11	9/15/2021	0.017					
#12	3/29/2022	0.016					
#13	7/13/2022	0.017					
#14	3/8/2023	0.017					
#15	8/23/2023	0.018					
#16	3/12/2024	0.018					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic					
Confidence Level Calculated?	95.20%	NA	NA	NA	NA	NA
Plume Stability?	Shrinking	NA	NA	NA	NA	NA
Coefficient of Variation?		n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-38	0	0	0	0	0
Number of Sampling Rounds?	16	0	0	0	0	0
Average Concentration?	0.02	NA	NA	NA	NA	NA
Standard Deviation?	0.00	NA	NA	NA	NA	NA
Coefficient of Variation?	0.19	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **Arsenic**Plume Stability? **Shrinking**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

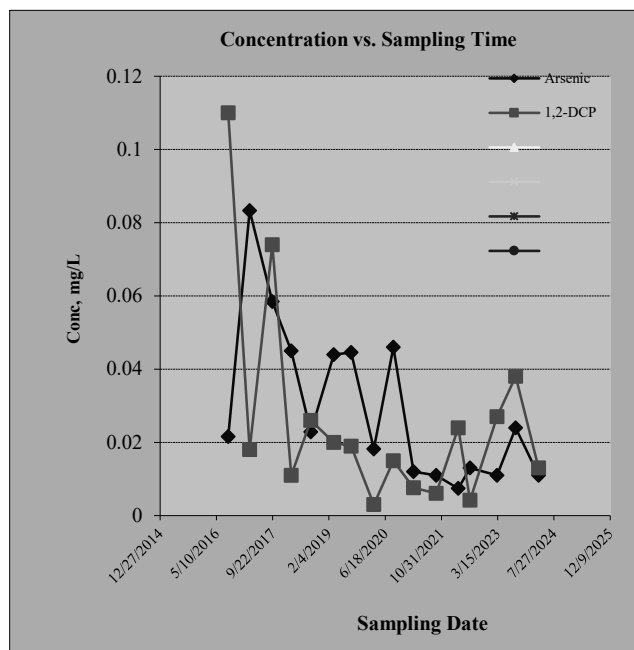
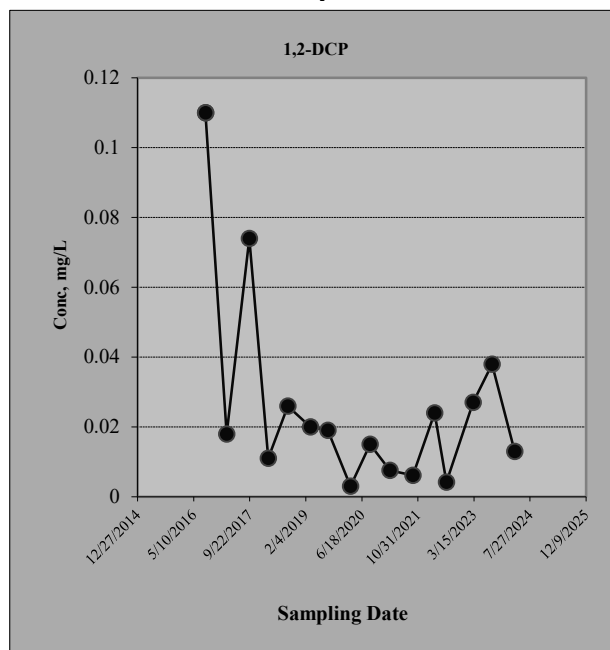
Additional Description:

Well (Sampling) Location? **MW-19**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic	1,2-DCP				
#1	8/23/2016	0.0216	0.11				
#2	3/1/2017	0.0833	0.018				
#3	9/19/2017	0.0585	0.074				
#4	3/6/2018	0.045	0.011				
#5	8/28/2018	0.0229	0.026				
#6	3/19/2019	0.044	0.02				
#7	8/20/2019	0.0446	0.019				
#8	3/10/2020	0.0182	0.003				
#9	8/31/2020	0.046	0.015				
#10	2/24/2021	0.012	0.0076				
#11	9/15/2021	0.011	0.0061				
#12	3/29/2022	0.0074	0.024				
#13	7/12/2022	0.013	0.0042				
#14	3/8/2023	0.011	0.027				
#15	8/23/2023	0.024	0.038				
#16	3/12/2024	0.011	0.013				

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic	1,2-DCP				
Confidence Level Calculated?	99.70%	84.70%	NA	NA	NA	NA
Plume Stability?	Shrinking	Undetermined	NA	NA	NA	NA
Coefficient of Variation?		CV > 1	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-61	-24	0	0	0	0
Number of Sampling Rounds?	16	16	0	0	0	0
Average Concentration?	0.03	0.03	NA	NA	NA	NA
Standard Deviation?	0.02	0.03	NA	NA	NA	NA
Coefficient of Variation?	0.73	1.08	NA	NA	NA	NA
Blank if No Errors found			n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **1,2-DCP**Plume Stability? **Undetermined**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

Additional Description:

Well (Sampling) Location?

MW-20

Level of Confidence (Decision Criteria)?

85%

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Arsenic					
#1	8/23/2016	0.0166					
#2	3/1/2017	0.0145					
#3	9/19/2017	0.0229					
#4	3/6/2018	0.0269					
#5	8/28/2018	0.008					
#6	3/19/2019	0.0243					
#7	8/20/2019	0.0144					
#8	3/10/2020	0.0182					
#9	8/31/2020	0.02					
#10	2/24/2021	0.02					
#11	9/15/2021	0.017					
#12	3/29/2022	0.016					
#13	7/12/2022	0.02					
#14	3/8/2023	0.018					
#15	8/23/2023	0.019					
#16	3/12/2024	0.019					

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Arsenic					
Confidence Level Calculated?	55.30%	NA	NA	NA	NA	NA
Plume Stability?	Stable	NA	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1	n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	4	0	0	0	0	0
Number of Sampling Rounds?	16	0	0	0	0	0
Average Concentration?	0.02	NA	NA	NA	NA	NA
Standard Deviation?	0.00	NA	NA	NA	NA	NA
Coefficient of Variation?	0.24	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

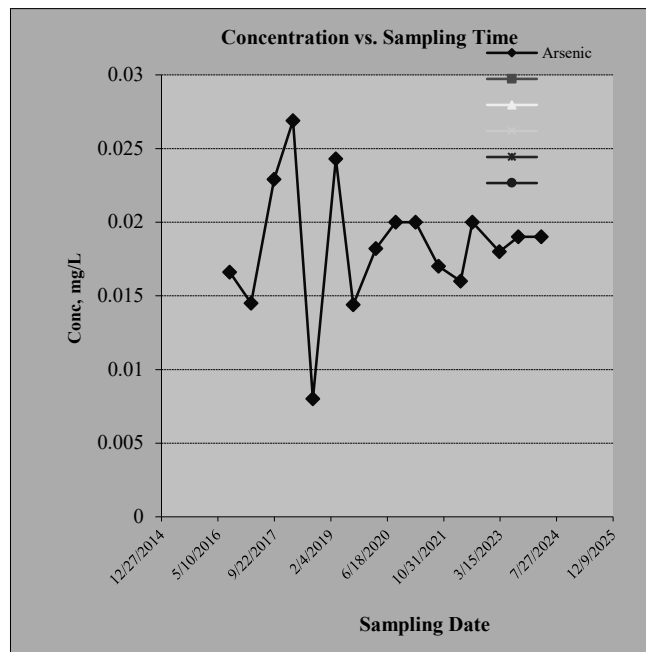
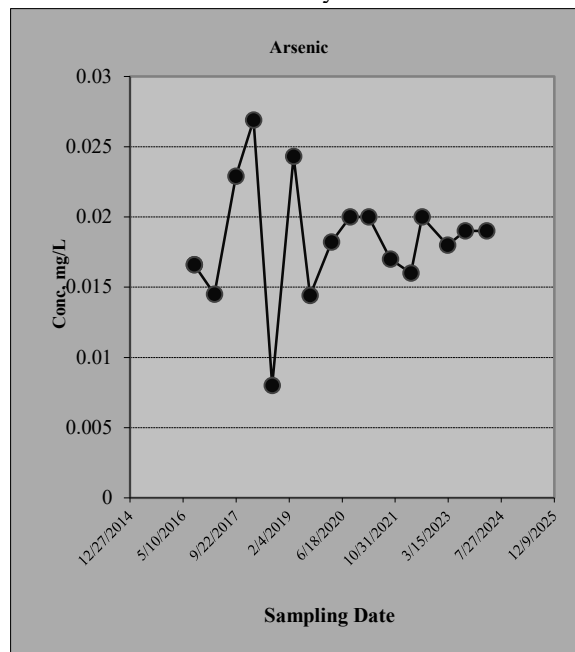
3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance?

Arsenic

Plume Stability?

Stable



Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

Additional Description:

Well (Sampling) Location?

MW-21

Level of Confidence (Decision Criteria)?

85%

1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Nitrate					
#1	3/11/2020	161					
#2	9/1/2020						
#3	11/11/2020	140					
#4	2/24/2021	140					
#5	5/11/2021	23					
#6	9/15/2021	120					
#7	3/29/2022	110					
#8	7/12/2022	110					
#9	12/7/2022						
#10	3/7/2023	19					
#11	5/16/2023	27					
#12	8/22/2023	45					
#13	12/6/2023	50					
#14	3/12/2024	60					
#15							
#16							

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate					
Confidence Level Calculated?	97.80%	NA	NA	NA	NA	NA
Plume Stability?	Shrinking	NA	NA	NA	NA	NA
Coefficient of Variation?		n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-30	0	0	0	0	0
Number of Sampling Rounds?	12	0	0	0	0	0
Average Concentration?	83.75	NA	NA	NA	NA	NA
Standard Deviation?	51.61	NA	NA	NA	NA	NA
Coefficient of Variation?	0.62	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

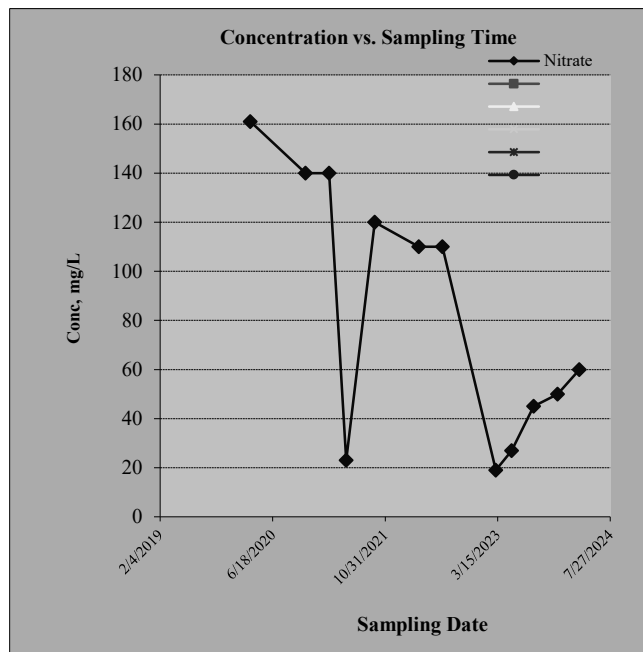
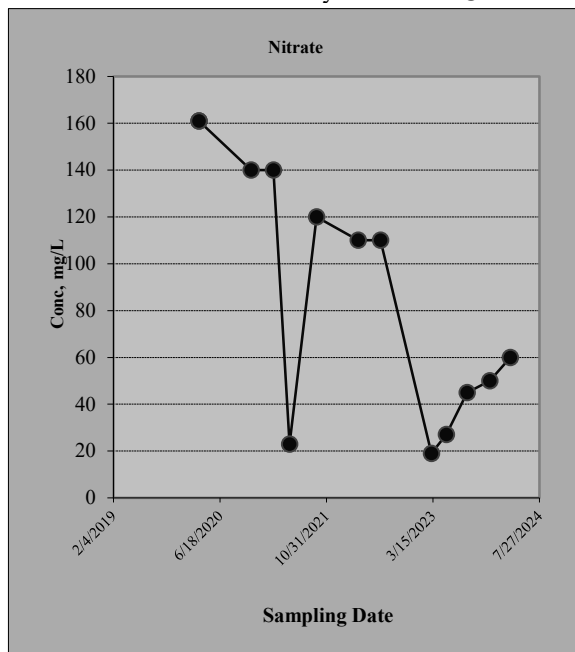
3. Temporal Trend: Plot of Concentration vs. Sampling Time

Hazardous substance?

Nitrate

Plume Stability?

Shrinking



Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

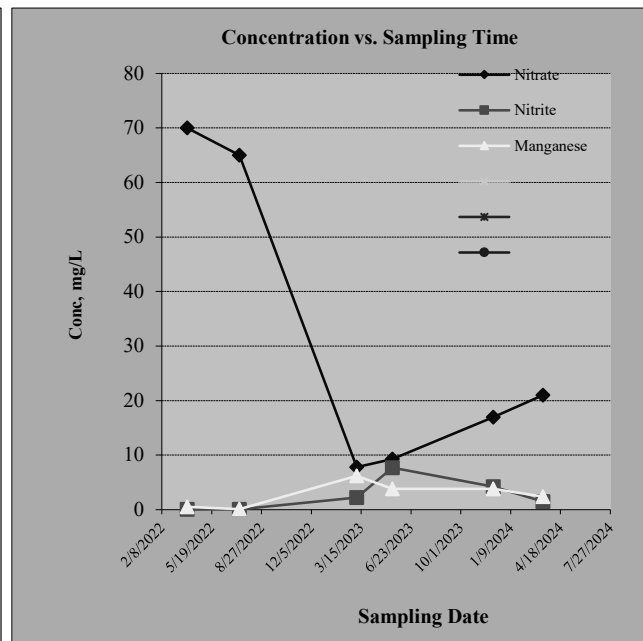
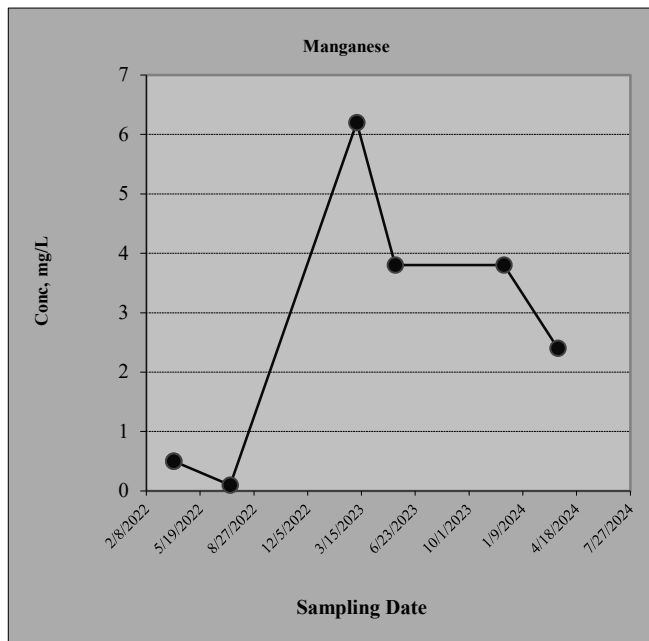
Additional Description:

Well (Sampling) Location? **MW-22**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	Nitrate	Nitrite	Manganese			
#1	3/31/2022	70	0.056	0.5			
#2	7/14/2022	65	0.057	0.099			
#3	12/6/2022						
#4	3/6/2023	7.8	2.2	6.2			
#5	5/17/2023	9.3	7.7	3.8			
#6	8/24/2023						
#7	12/5/2023	17	4.2	3.8			
#8	3/14/2024	21	1.5	2.4			
#9							
#10							
#11							
#12							
#13							
#14							
#15							
#16							

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	Nitrate	Nitrite	Manganese			
Confidence Level Calculated?	64.00%	86.40%	50.00%	NA	NA	NA
Plume Stability?	Stable	<i>Expanding</i>	Stable	NA	NA	NA
Coefficient of Variation?	CV <= 1		CV <= 1	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	-3	7	2	0	0	0
Number of Sampling Rounds?	6	6	6	0	0	0
Average Concentration?	31.68	2.62	2.80	NA	NA	NA
Standard Deviation?	28.21	2.93	2.29	NA	NA	NA
Coefficient of Variation?	0.89	1.12	0.82	NA	NA	NA
Blank if No Errors found				n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **Manganese**Plume Stability? **Stable**

Module1: Mann-Kendall Trend Test for Plume Stability (Non-parametric Statistical Test)Site Name: *Bee-Jay Scales*Site Address: *116 N. 1st Street, Sunnyside, WA*

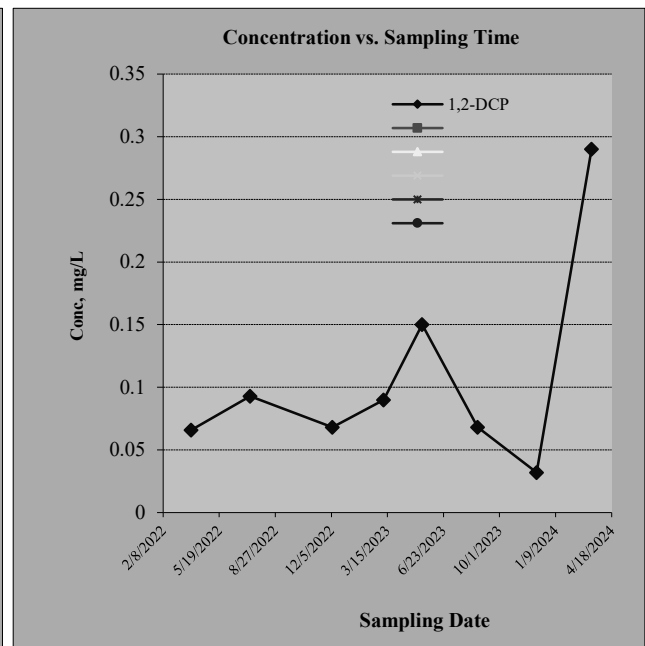
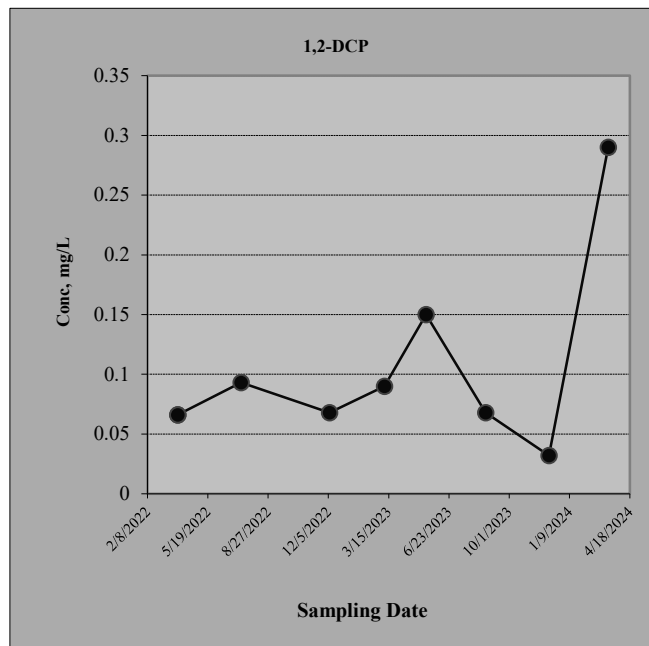
Additional Description:

Well (Sampling) Location? **MW-24**Level of Confidence (Decision Criteria)? **85%****1. Monitoring Well Information: Contaminant Concentration at a well: Quarterly sampling recommended.**

		Hazardous Substances (unit is mg/L)					
Sampling Event	Date Sampled	1,2-DCP					
#1	3/30/2022	0.066					
#2	7/13/2022	0.093					
#3	12/7/2022	0.068					
#4	3/8/2023	0.09					
#5	5/16/2023	0.15					
#6	8/23/2023	0.068					
#7	12/6/2023	0.032					
#8	3/13/2024	0.29					
#9							
#10							
#11							
#12							
#13							
#14							
#15							
#16							

2. Mann-Kendall Non-parametric Statistical Test Results

Hazardous Substance?	1,2-DCP					
Confidence Level Calculated?	64.00%	NA	NA	NA	NA	NA
Plume Stability?	Stable	NA	NA	NA	NA	NA
Coefficient of Variation?	CV <= 1	n<4	n<4	n<4	n<4	n<4
Mann-Kendall Statistic "S" value?	5	0	0	0	0	0
Number of Sampling Rounds?	8	0	0	0	0	0
Average Concentration?	0.11	NA	NA	NA	NA	NA
Standard Deviation?	0.08	NA	NA	NA	NA	NA
Coefficient of Variation?	0.76	NA	NA	NA	NA	NA
Blank if No Errors found		n<4	n<4	n<4	n<4	n<4

3. Temporal Trend: Plot of Concentration vs. Sampling TimeHazardous substance? **1,2-DCP**Plume Stability? **Stable**

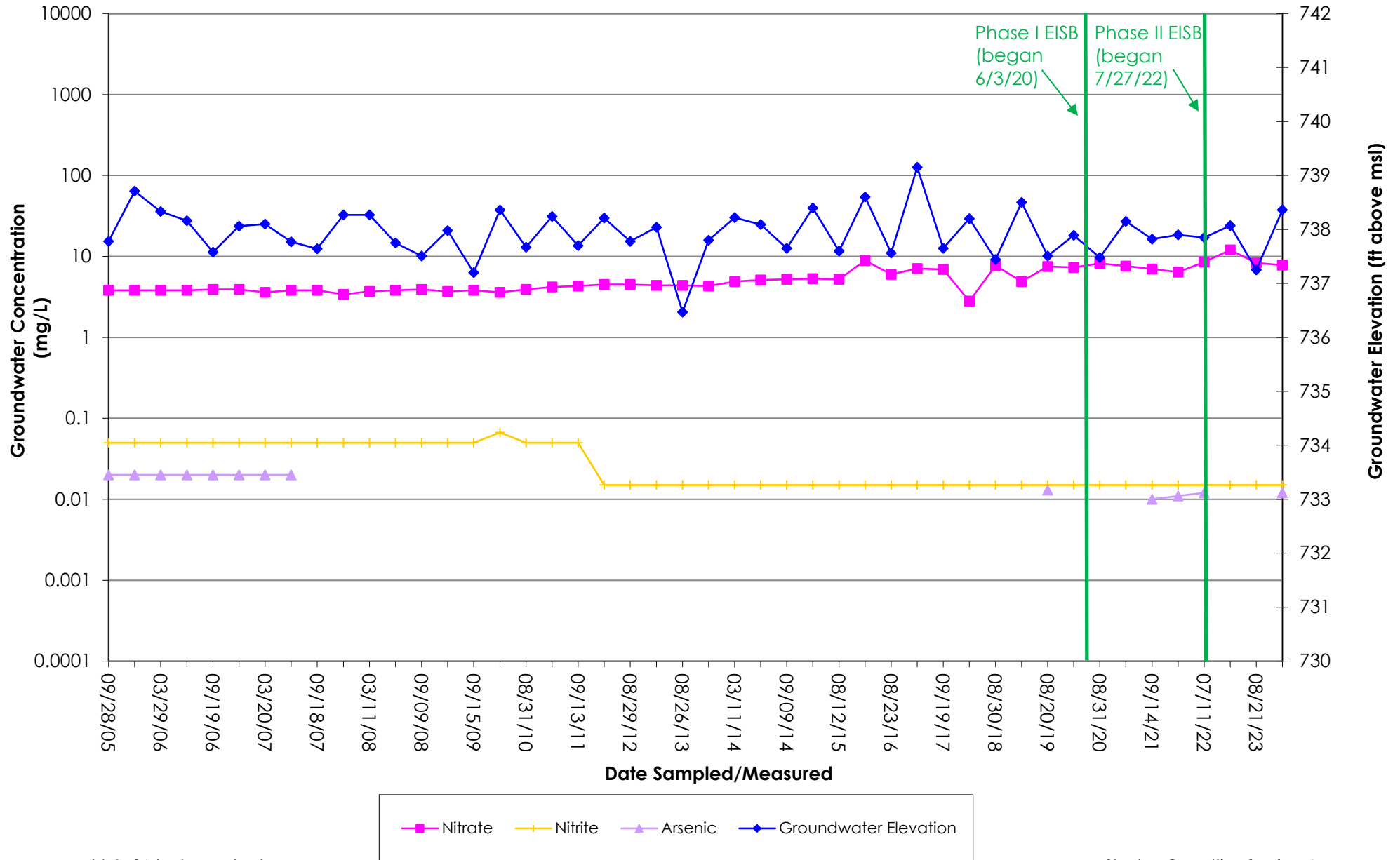
APPENDIX F

Hydrographs

MW-1 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

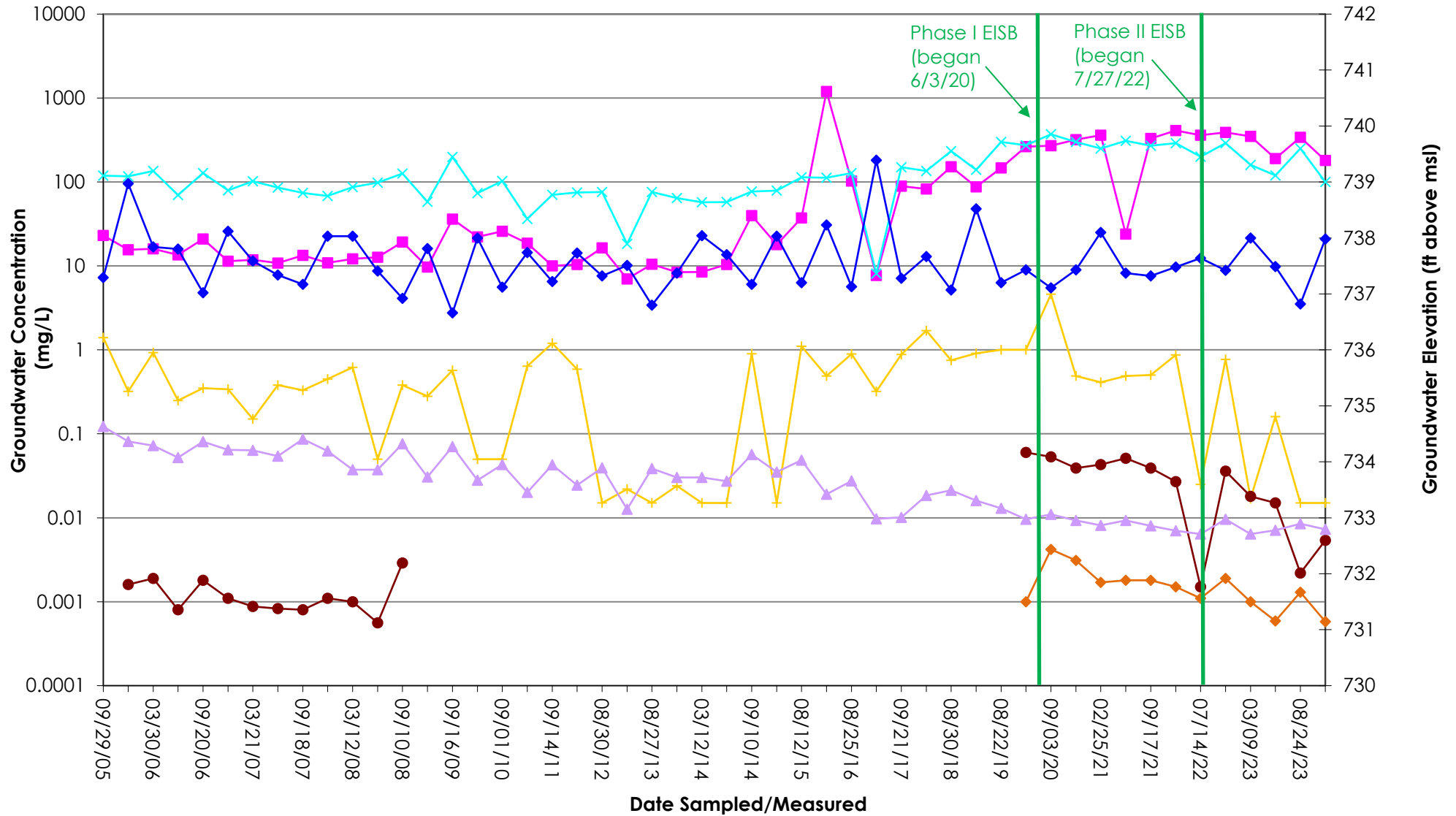
Sunnyside, Washington



MW-3 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

Sunnyside, Washington

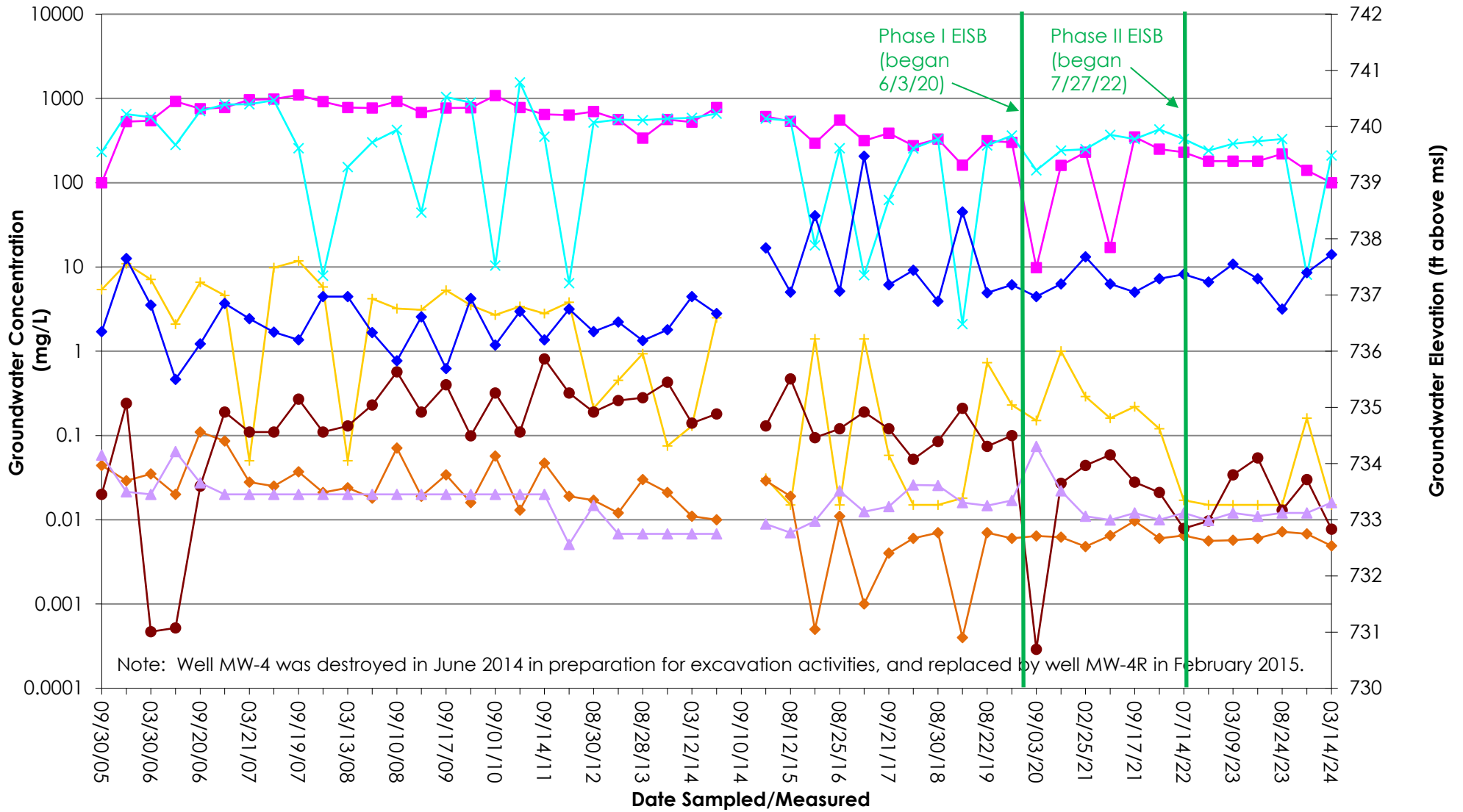


■ Nitrate
 + Nitrite
 x Ammonia
 ◆ 1,2-Dichloropropane
 ● Dinoseb
 ▲ Arsenic
 ◆ Groundwater Elevation

MW-4/MW-4R Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

Sunnyside, Washington

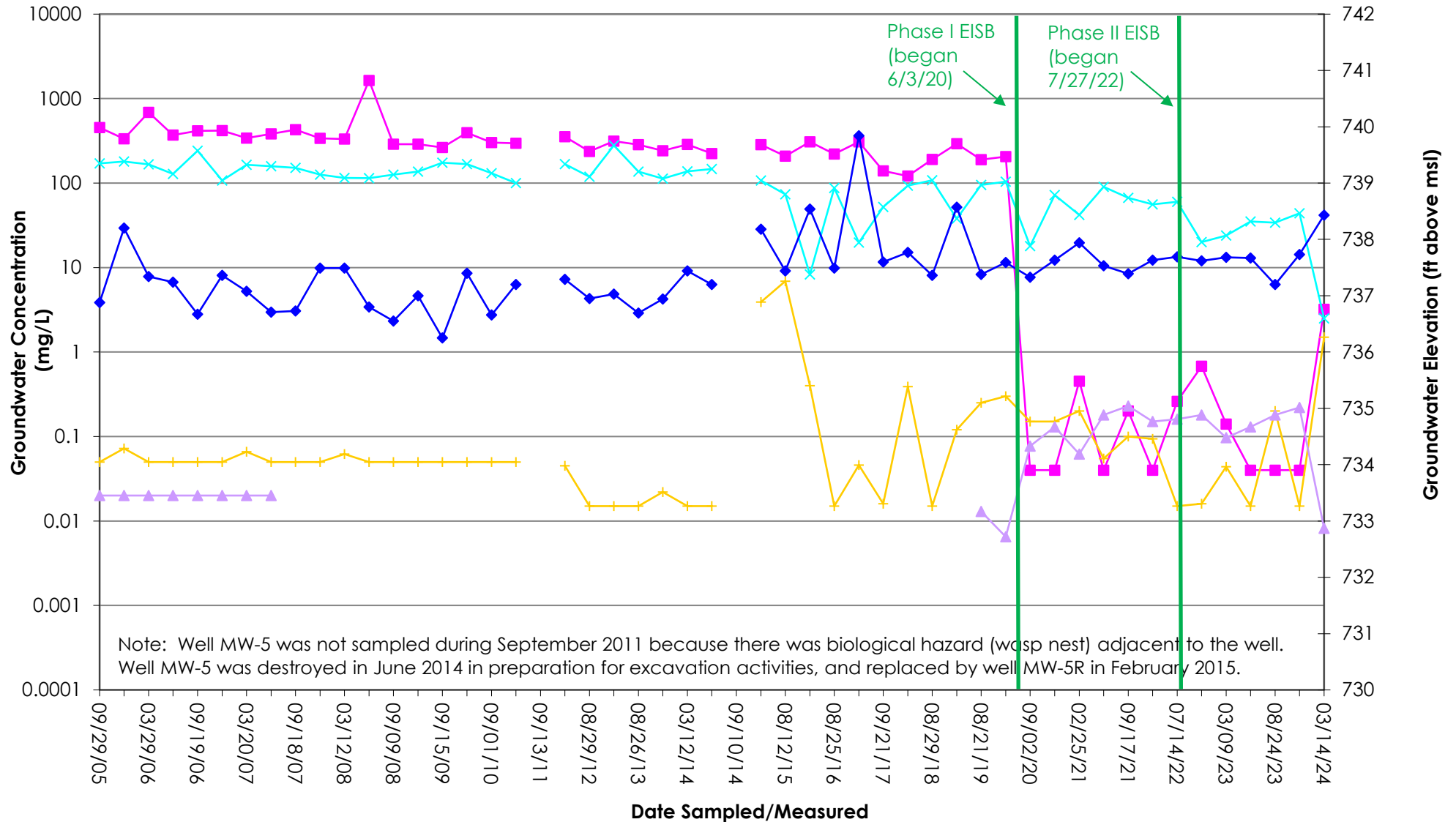


■ Nitrate
 + Nitrite
 × Ammonia
 ◆ 1,2-Dichloropropane
 ● Dinoseb
 ▲ Arsenic
 ◆ Groundwater Elevation

MW-5/MW-5R Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

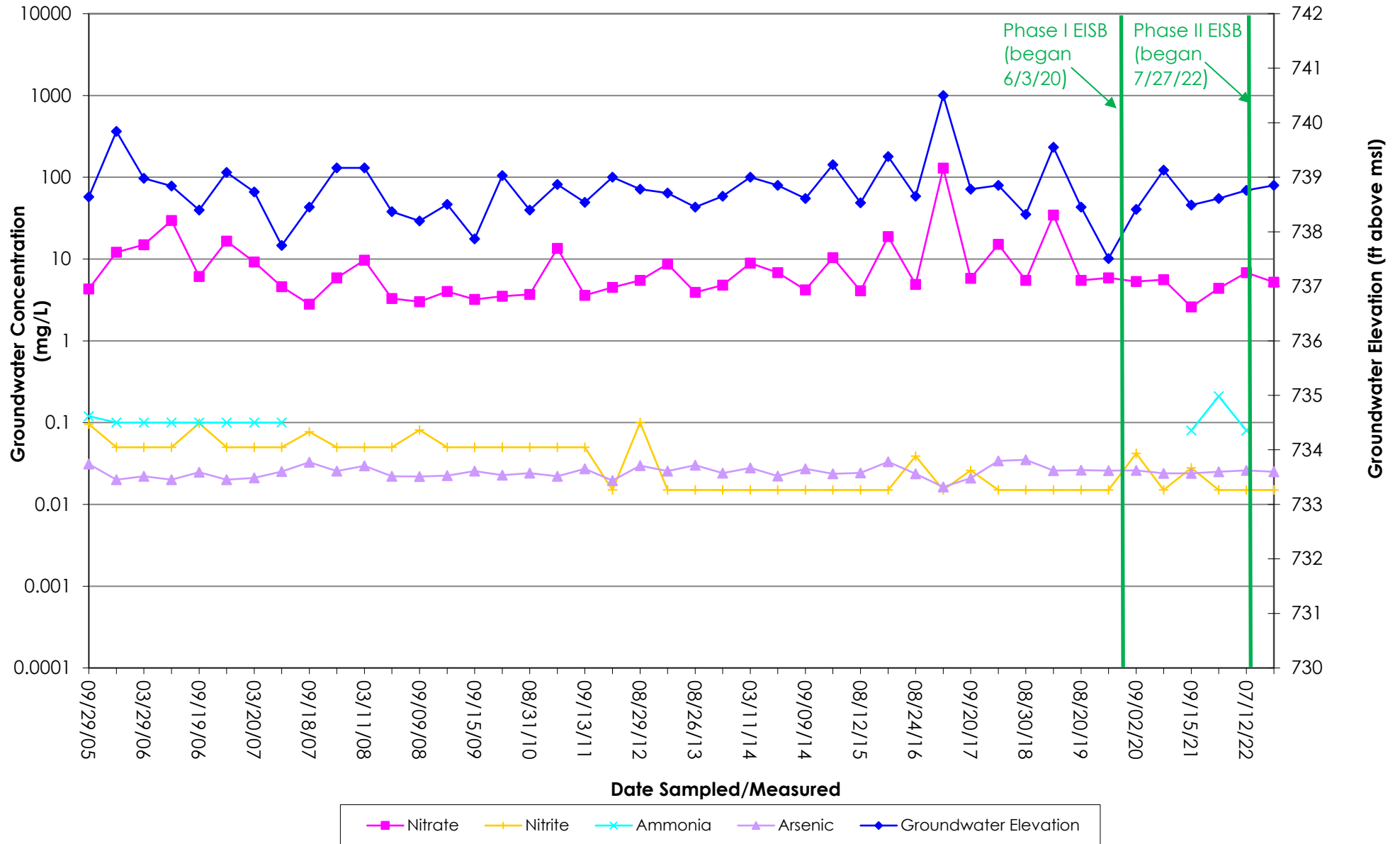
Sunnyside, Washington



MW-6 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

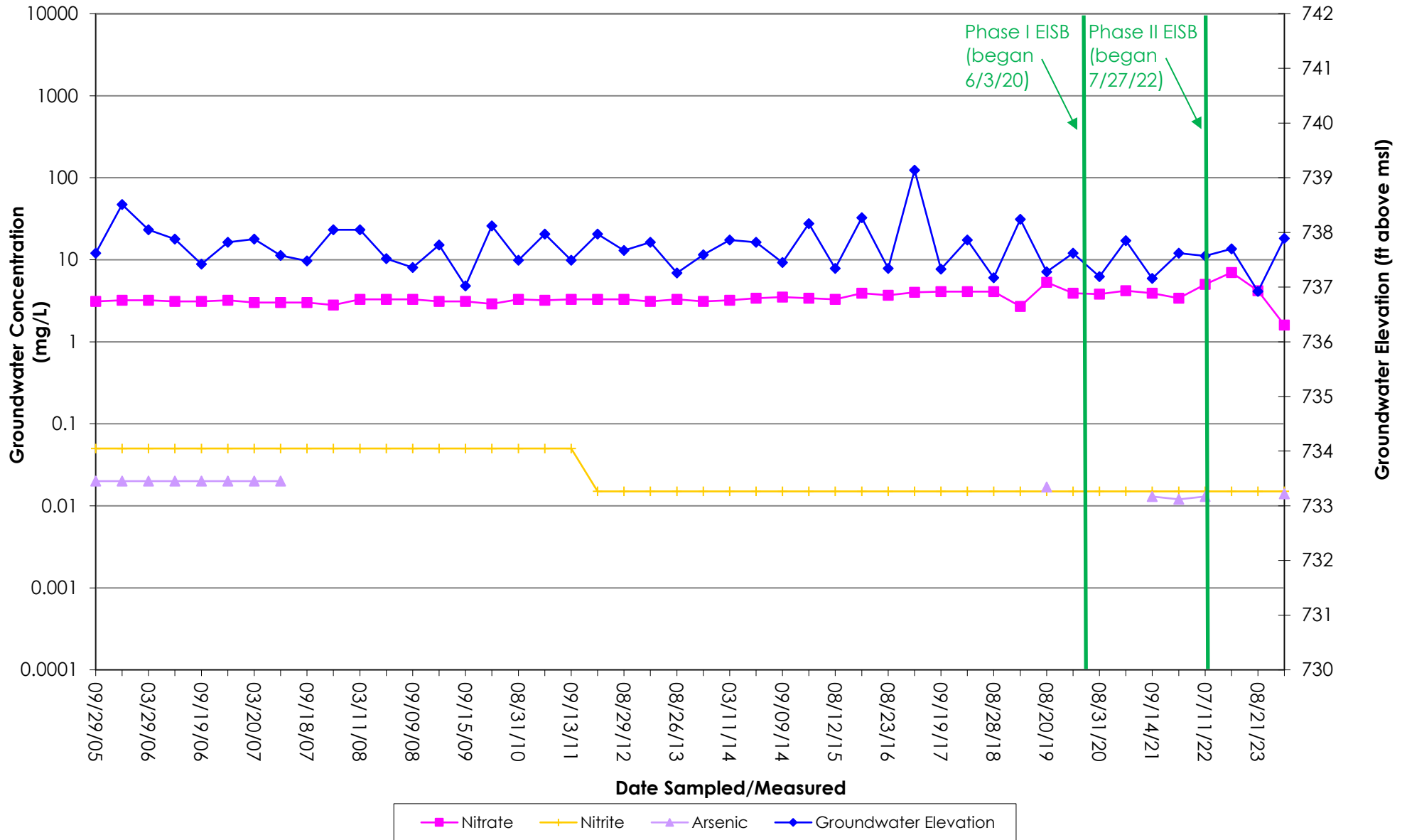
Sunnyside, Washington



MW-7 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

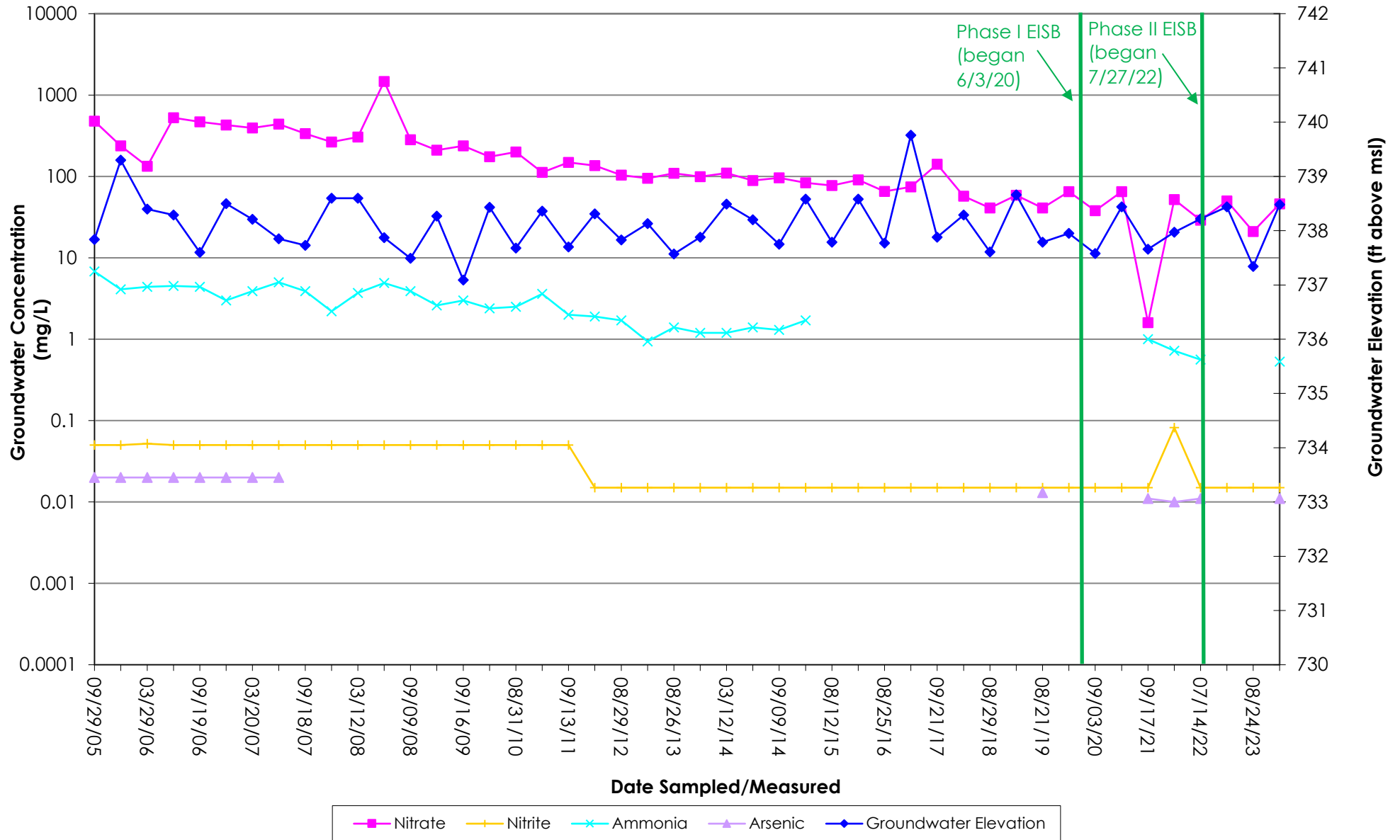
Sunnyside, Washington



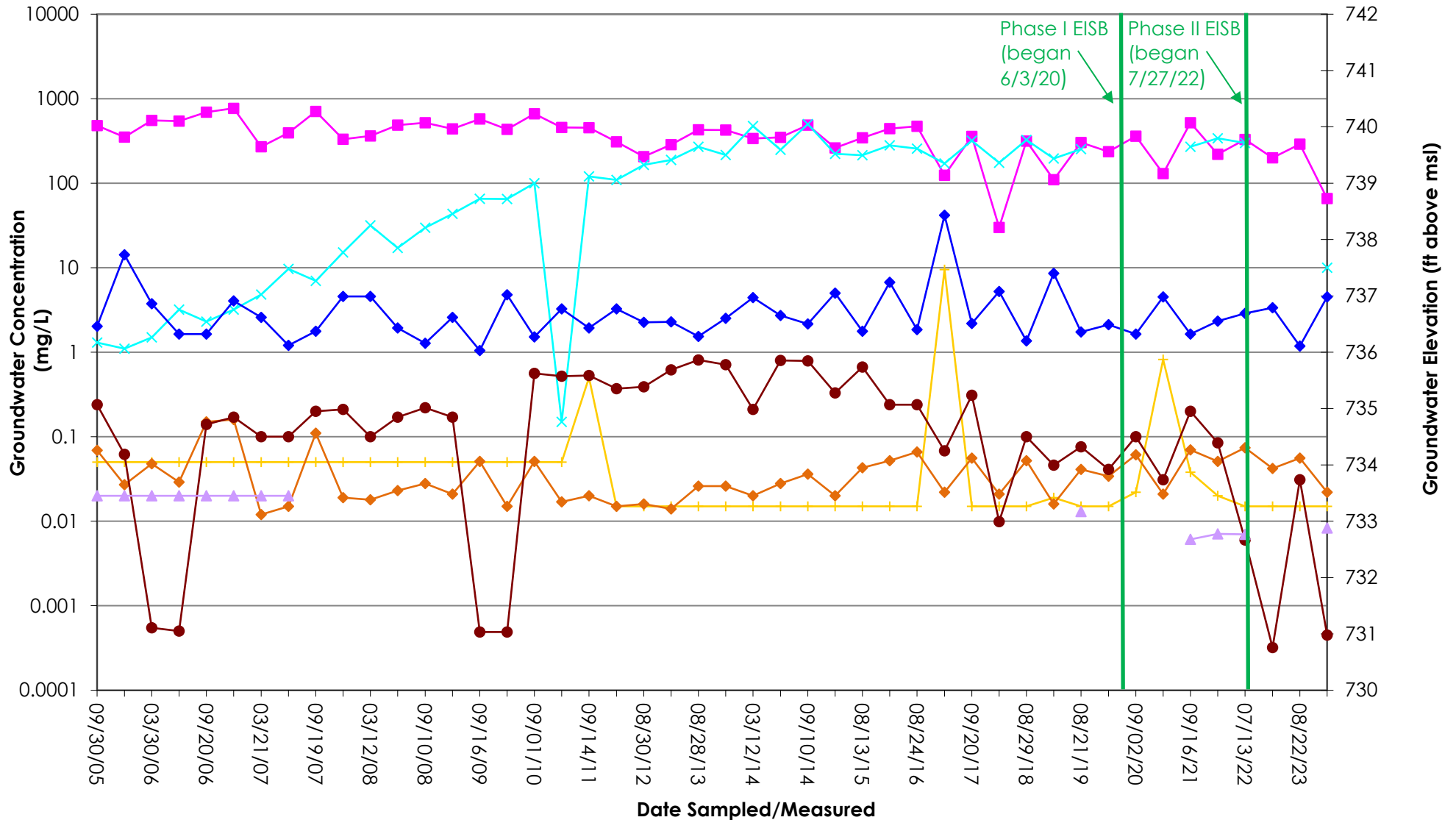
MW-8 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

Sunnyside, Washington



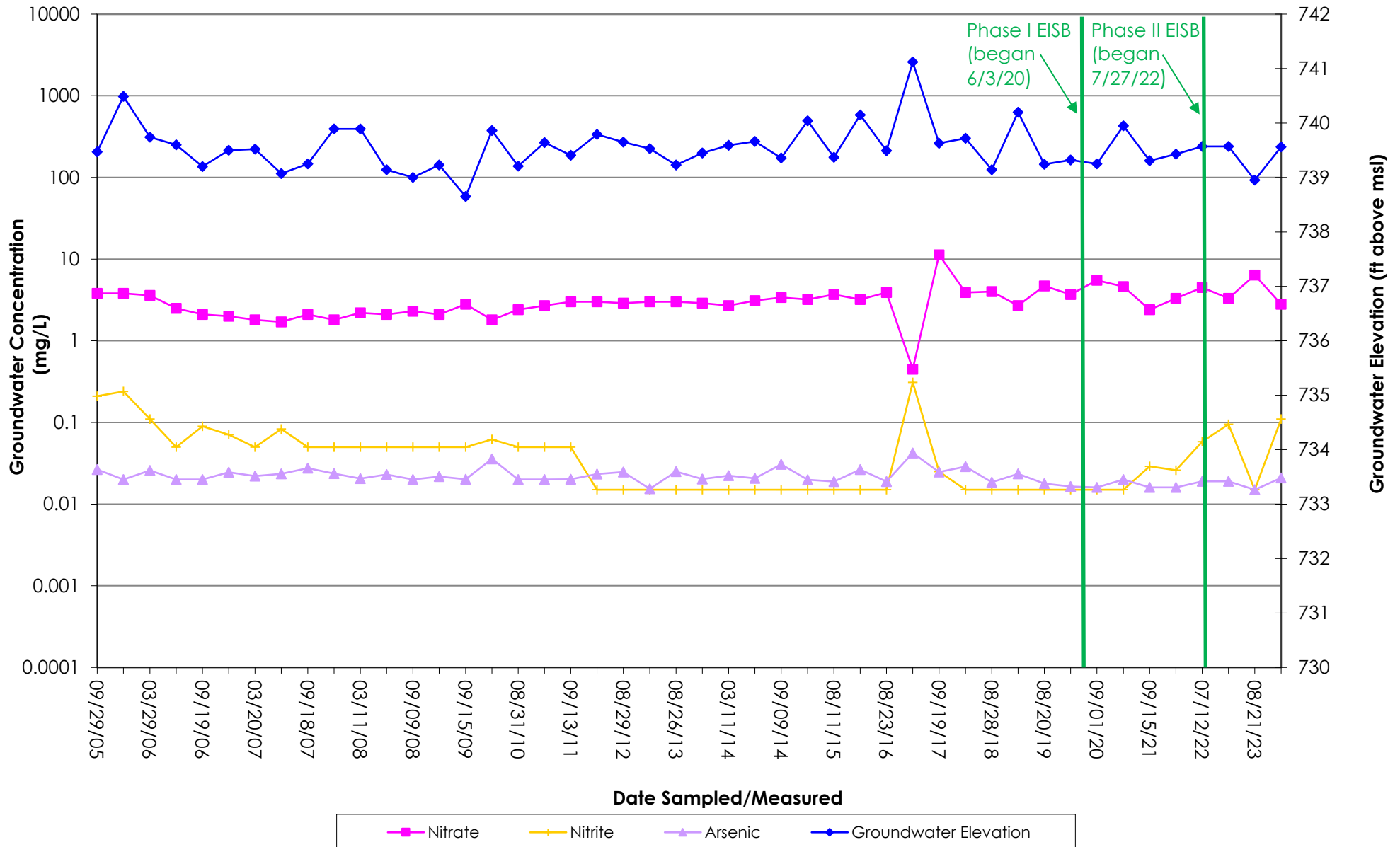
MW-9 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



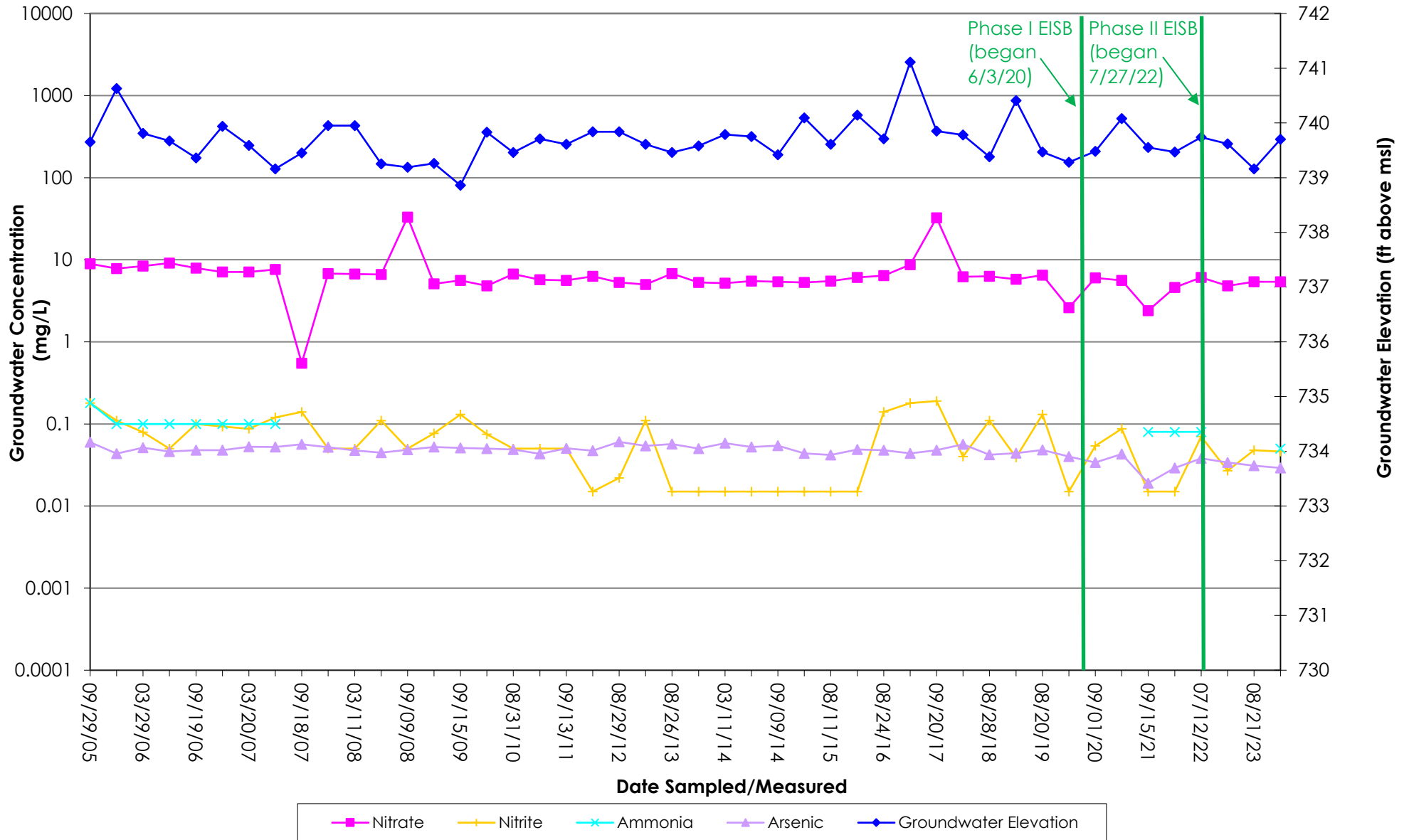
MW-10 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

Sunnyside, Washington



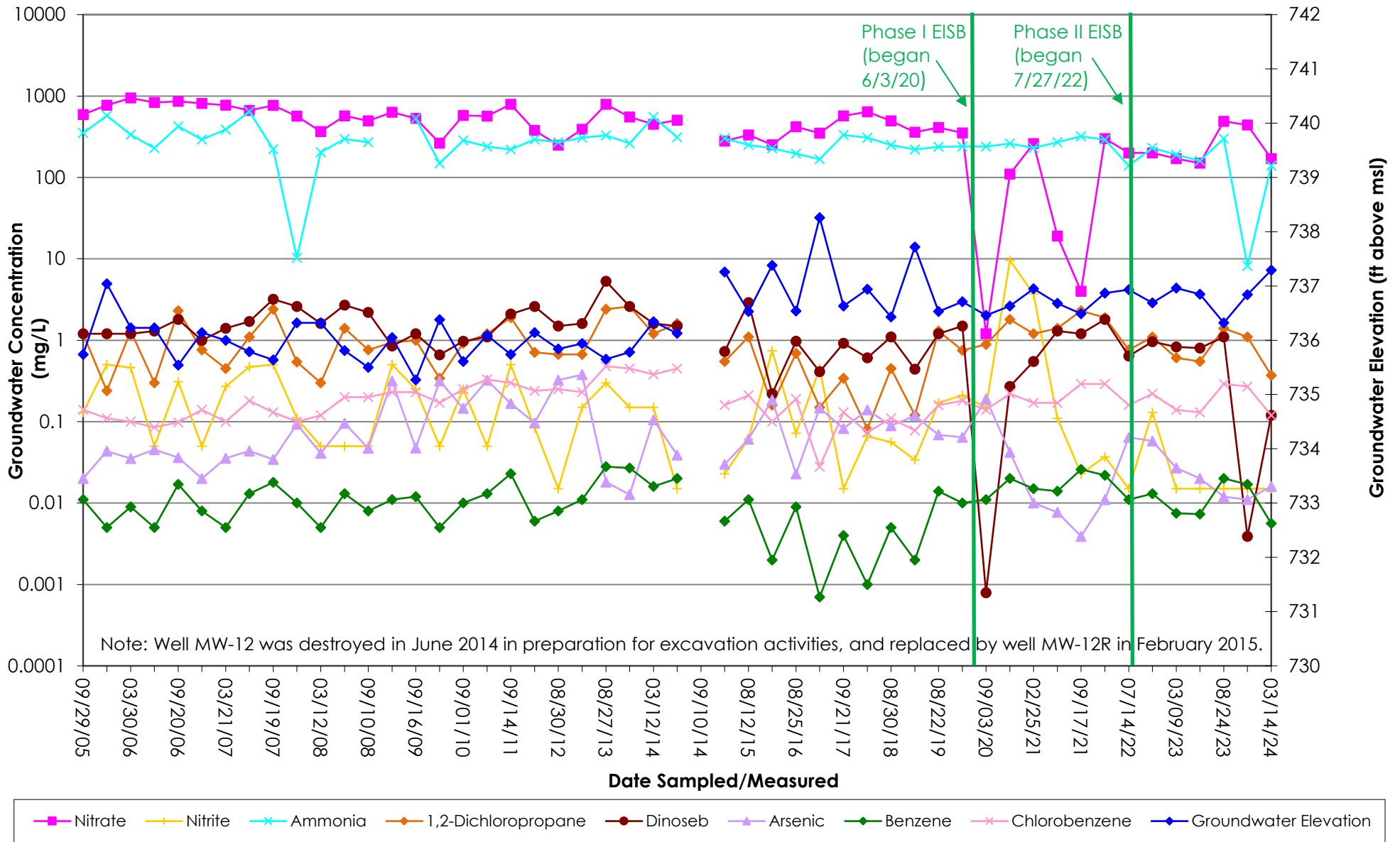
MW-11 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



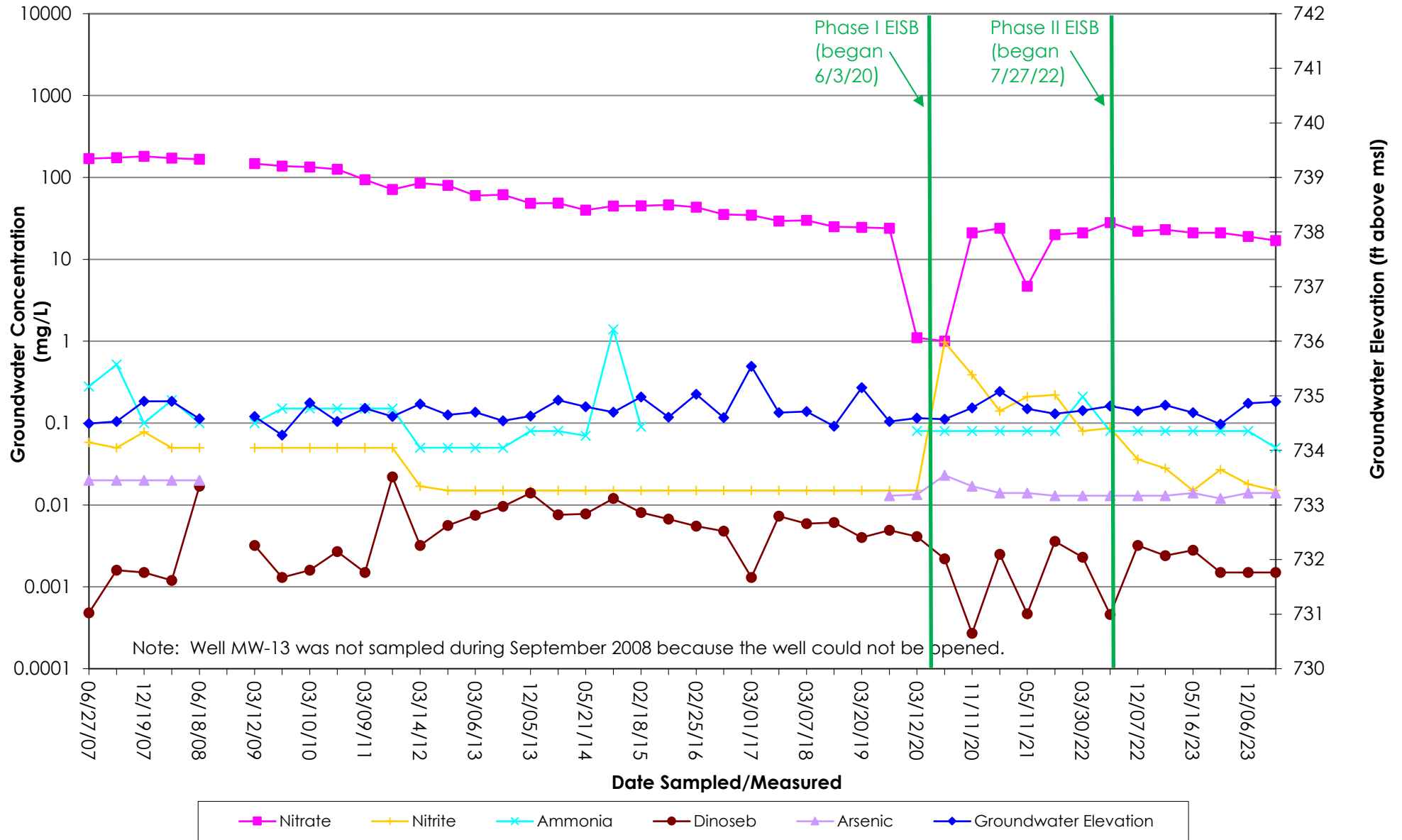
MW-12/MW-12R Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

Sunnyside, Washington



MW-13 Groundwater Concentrations and Elevations vs. Time Bee-Jay Scales Site Sunnyside, Washington



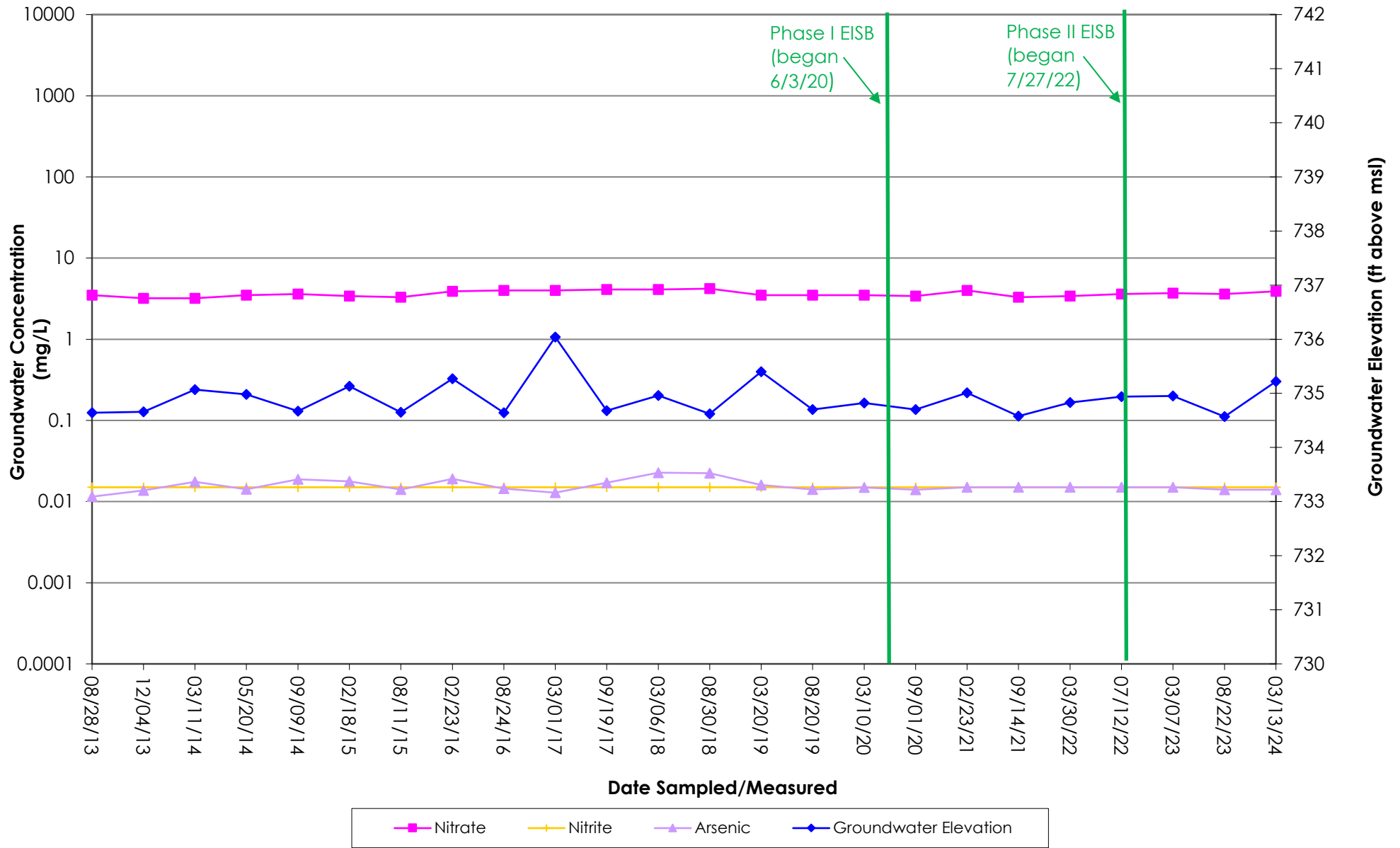
MW-14 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

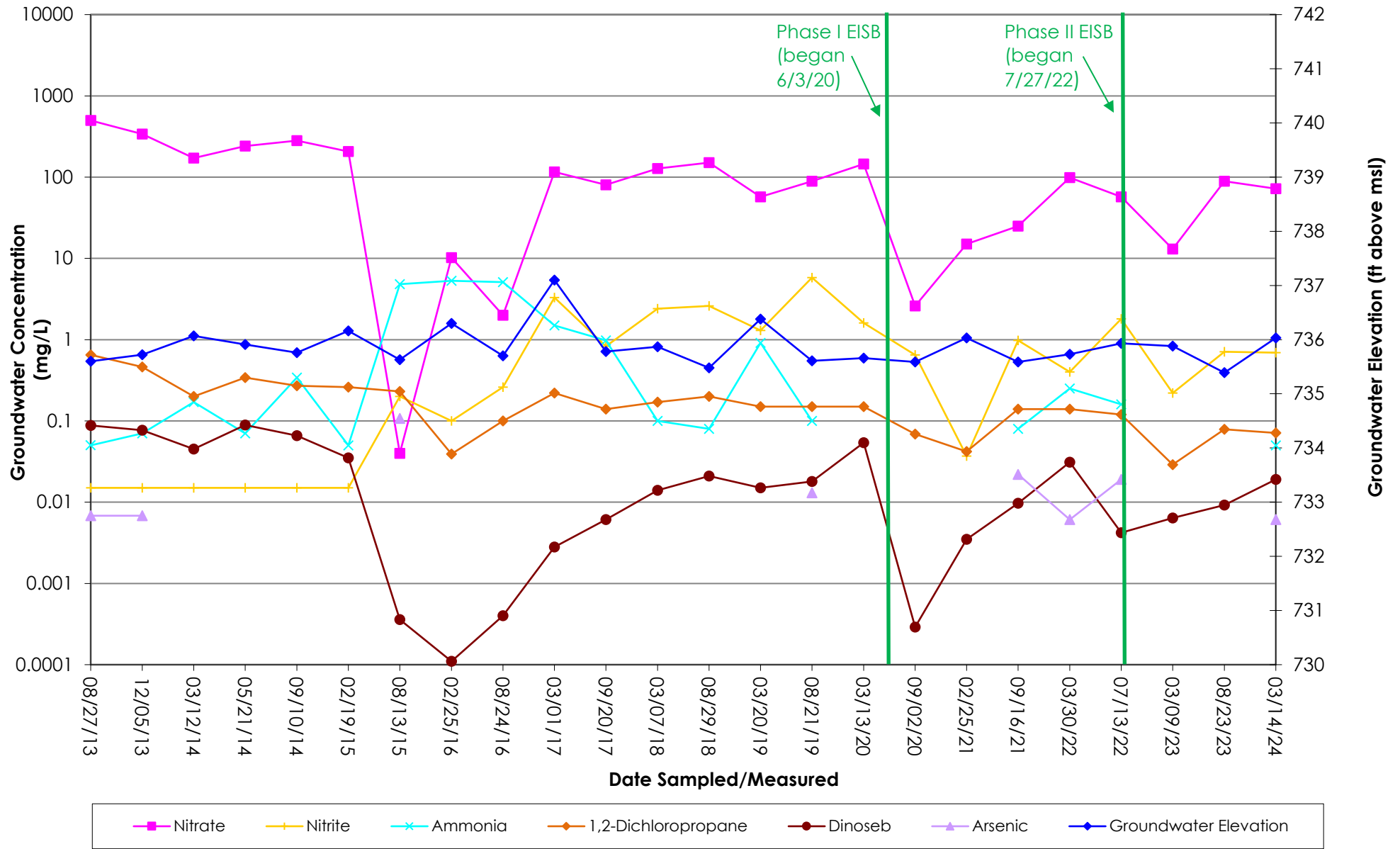
Sunnyside, Washington



**MW-15 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington**



MW-16 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



MW-17 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

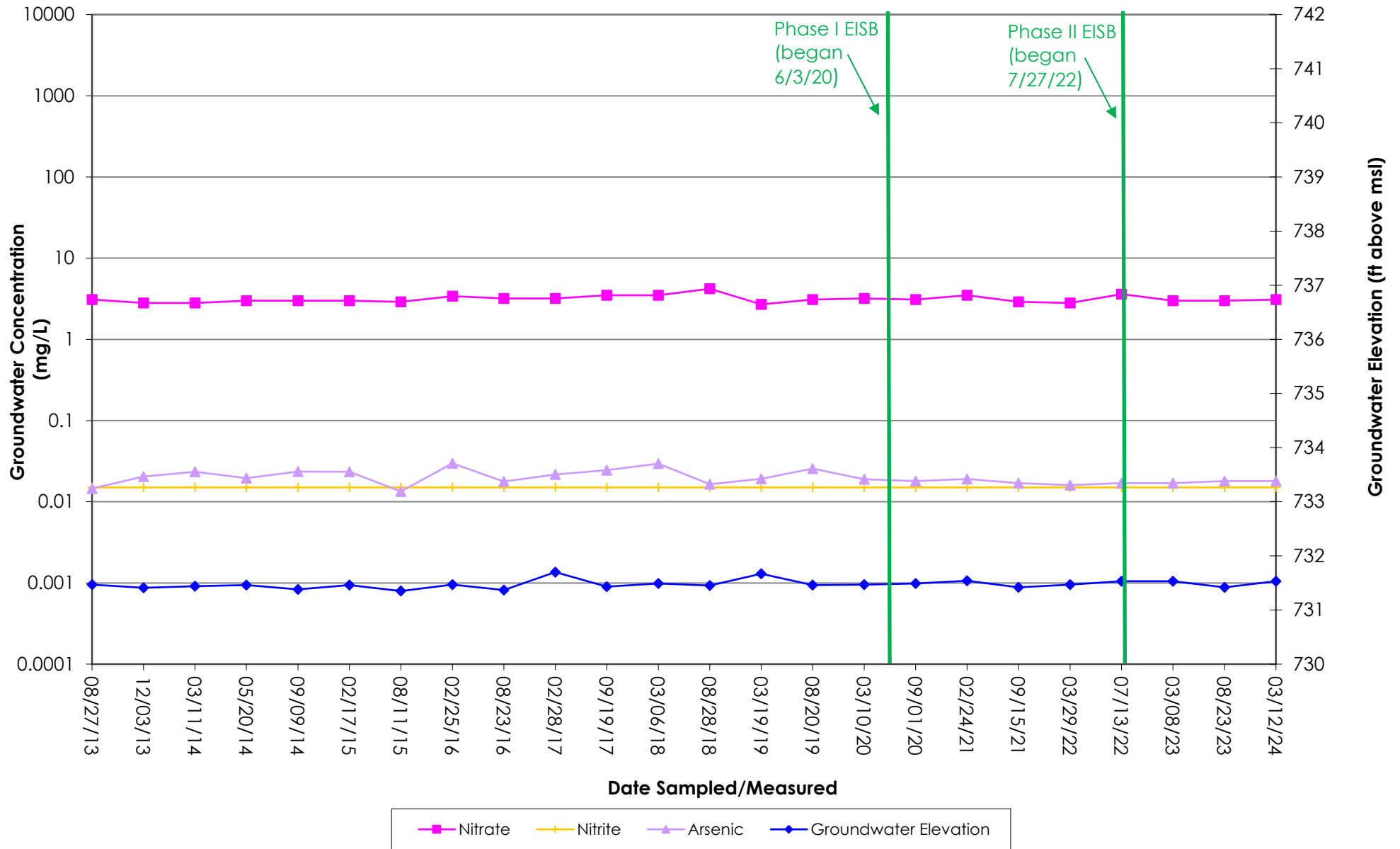
Sunnyside, Washington



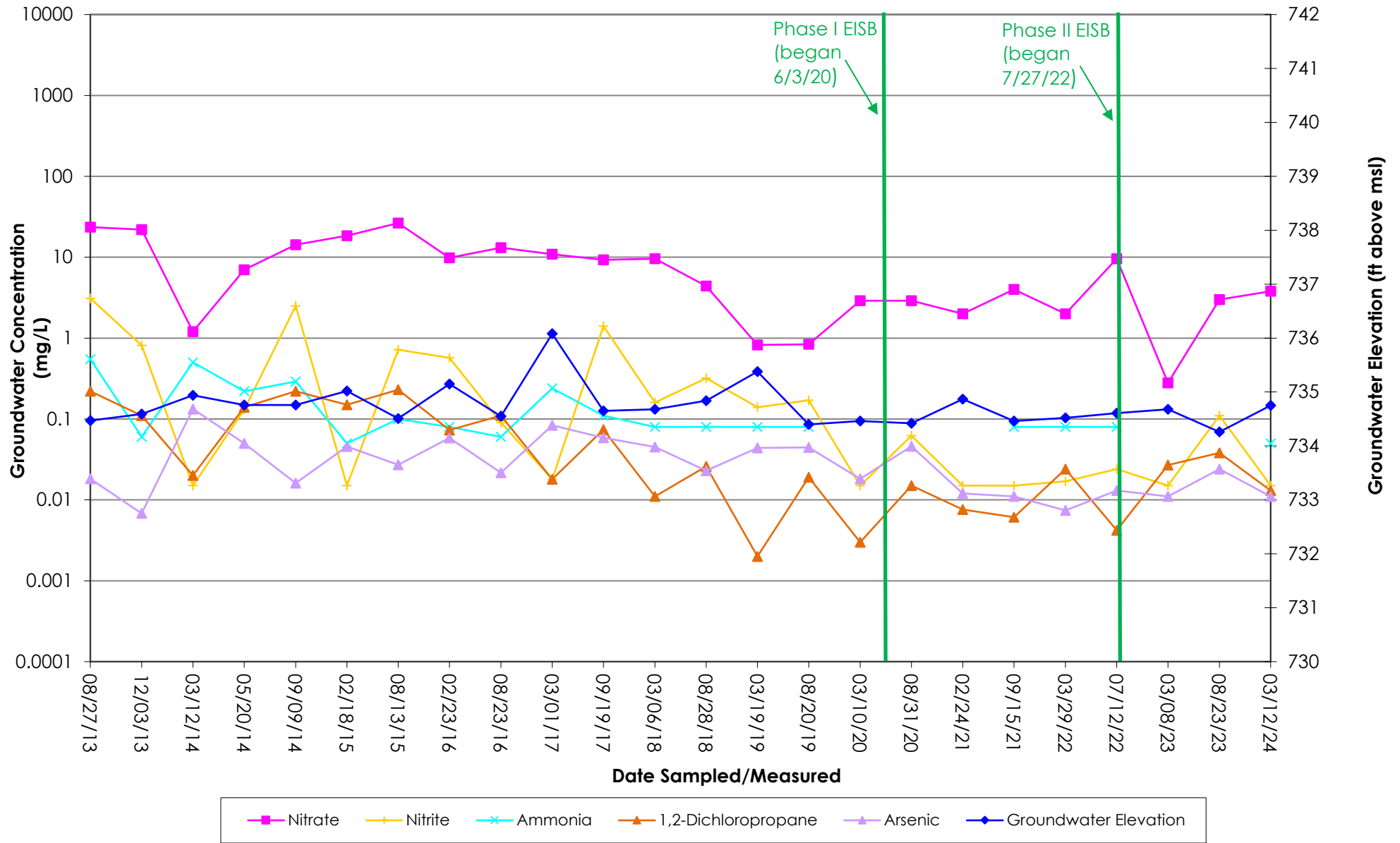
MW-18 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

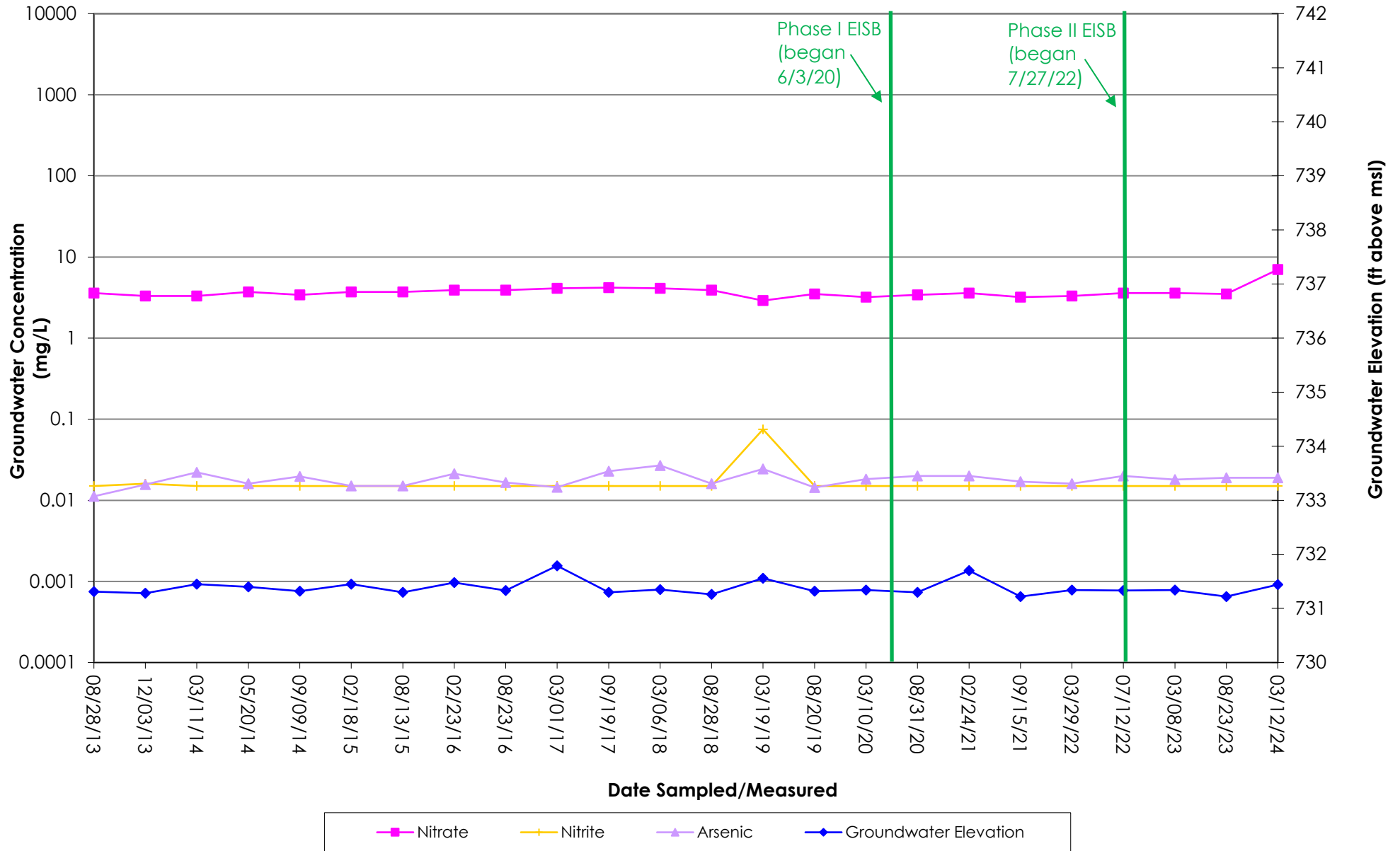
Sunnyside, Washington



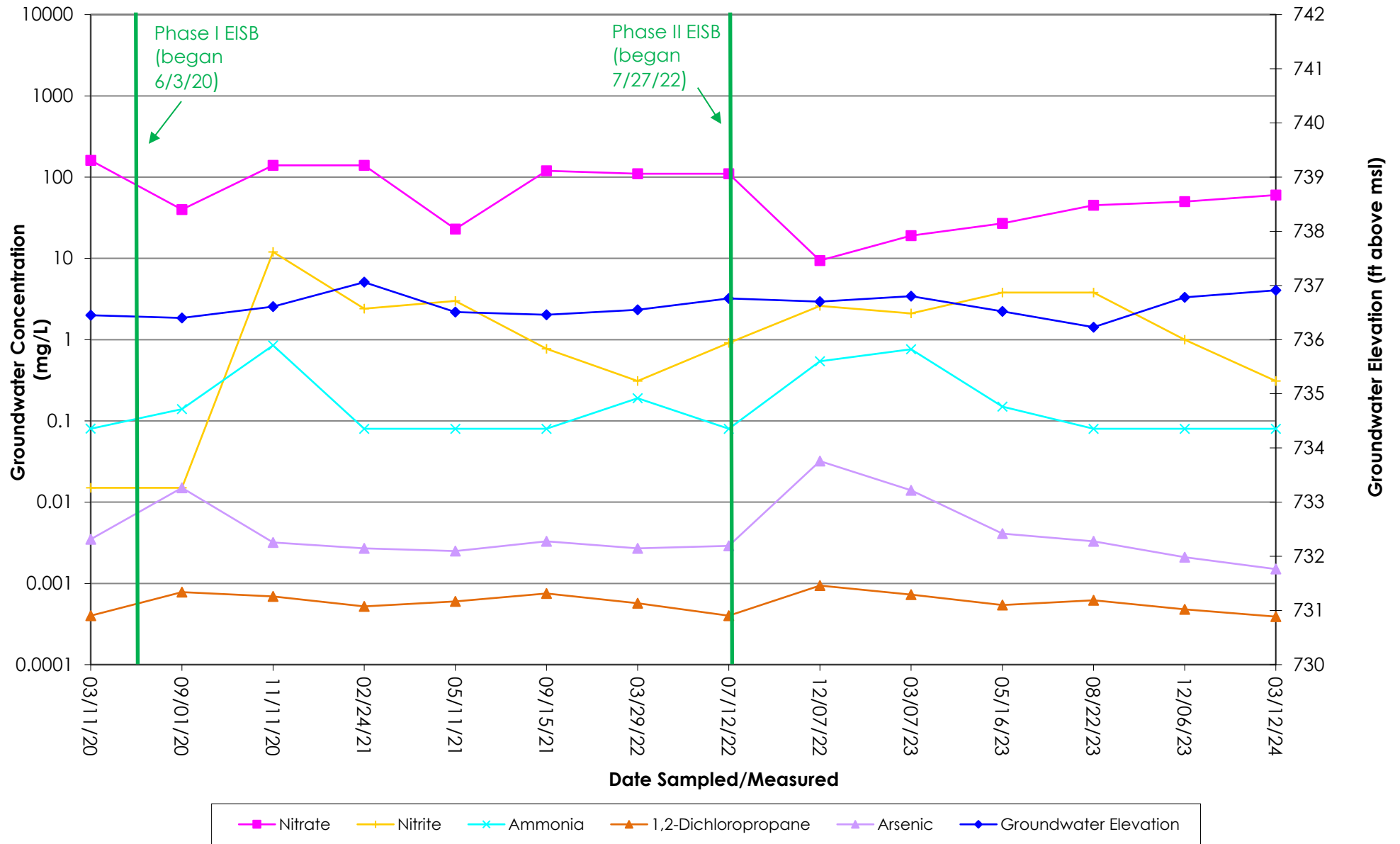
MW-19 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



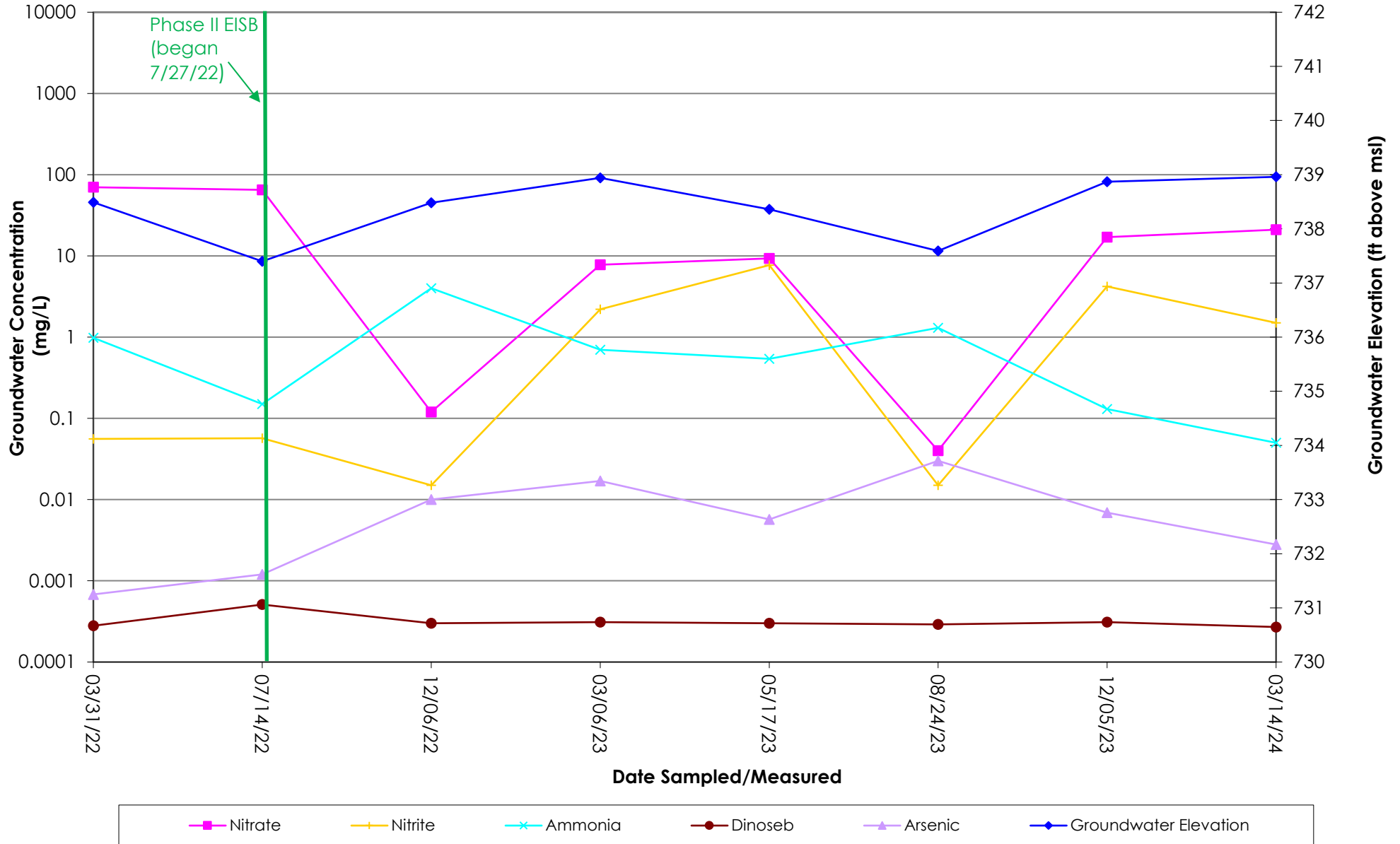
MW-20 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



MW-21 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



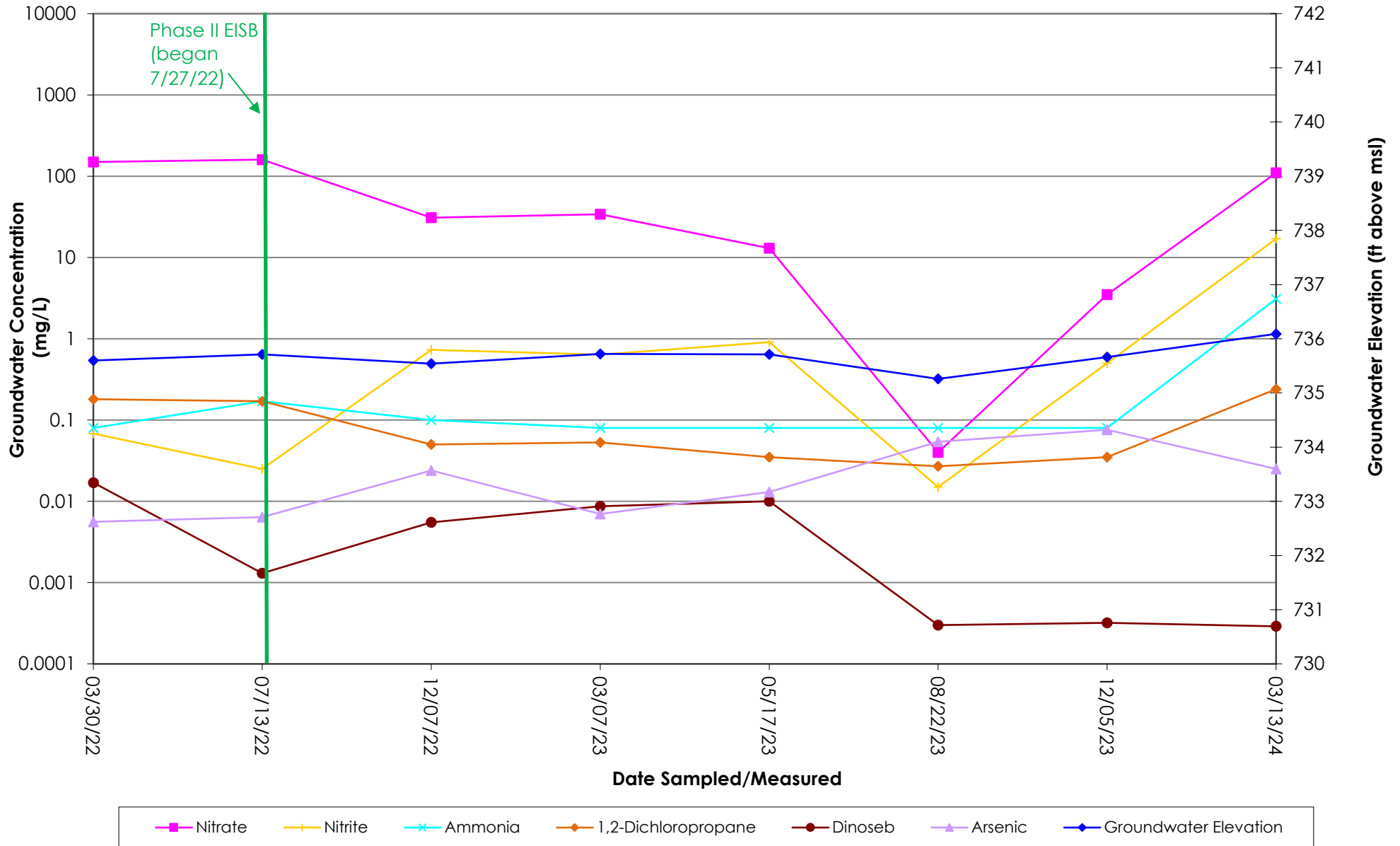
MW-22 Groundwater Concentrations and Elevations vs. Time
Bee-Jay Scales Site
Sunnyside, Washington



MW-23 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

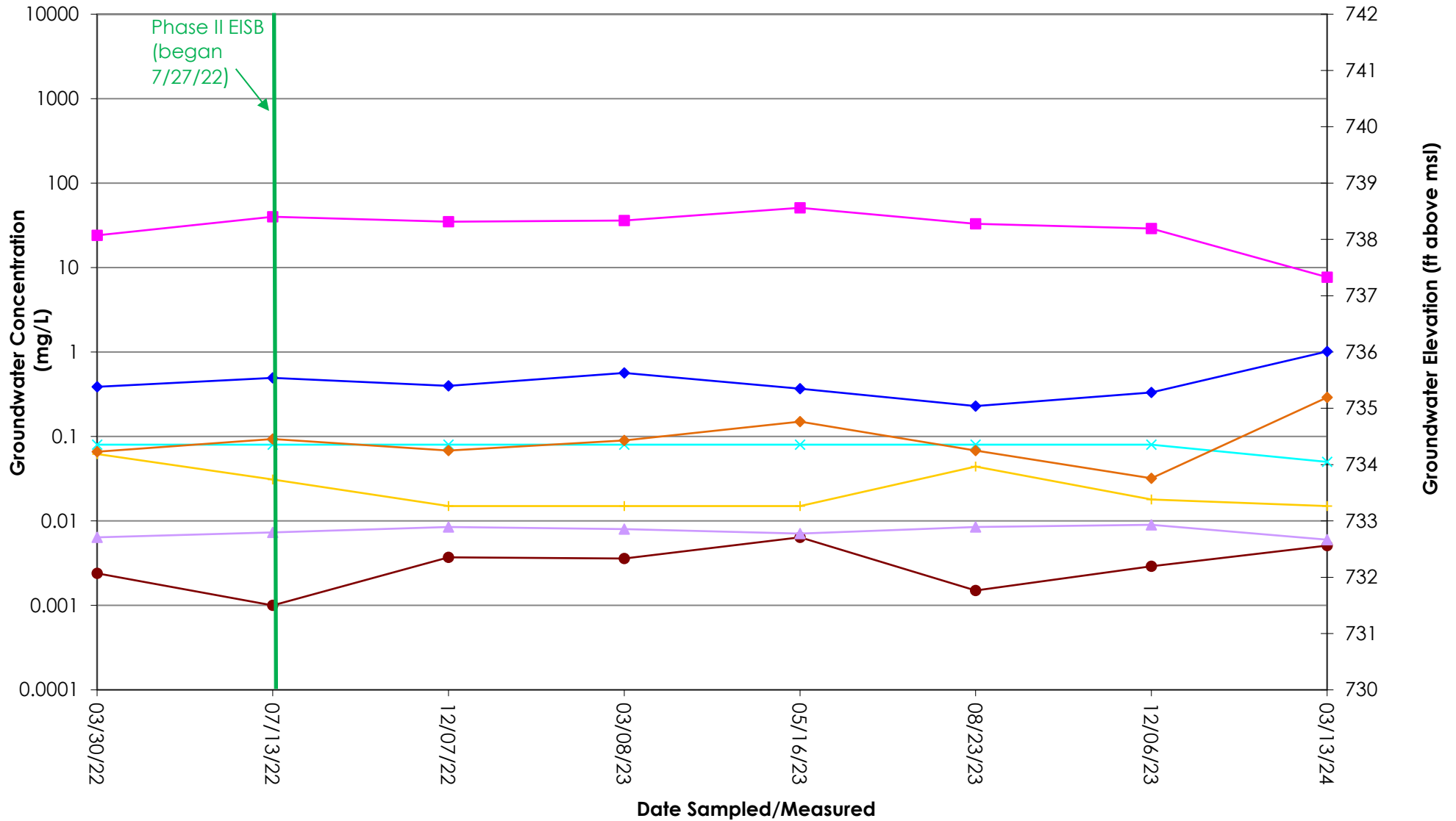
Sunnyside, Washington



MW-24 Groundwater Concentrations and Elevations vs. Time

Bee-Jay Scales Site

Sunnyside, Washington



Nitrate Concentrations versus Time **Bee-Jay Scales Site, Sunnyside, Washington**

Note: Wells MW-4, MW-5, and MW-12 were destroyed in June 2014 in preparation for excavation activities, and replaced by wells MW-4R, MW-5R, and MW-12R in February 2015.

